

PRODUCT OVERVIEW

A balanced injection-moulding PP compound designed for improved stiffness, dimensional stability and economical part production.

Base / family	Mineral-Filled Polypropylene Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Talc content	ISO 3451-1	20	wt.%
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	12	g/10 min
Density, 23°C	ISO 1183-1	1.055	g/cm ³
Tensile stress at yield, 23°C	ISO 527-2	32	MPa
Flexural modulus, 23°C	ISO 178	2,550	MPa
Notched Izod impact, 23°C	ASTM D256	38	J/m
HDT, 1.82 MPa, unannealed	ASTM D648	75	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.8 / 1.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Appliance housings • Industrial components • Automotive non-safety trim	KEY BENEFITS • Balanced stiffness/impact • Reduced shrinkage • Good mouldability
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-250°C; mould temperature: 30-60°C. Drying is normally unnecessary when material is stored correctly. Use moderate shear and provide effective mould venting.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A higher-stiffness PP compound for dimensionally stable moulded parts requiring a cost/performance balance.

Base / family	Mineral-Filled Polypropylene Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Talc content	ISO 3451-1	30	wt.%
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	10	g/10 min
Density, 23°C	ISO 1183-1	1.15	g/cm ³
Tensile strength, 23°C	ISO 527-2	33	MPa
Flexural modulus, 23°C	ISO 178	2,950	MPa
Notched Izod impact, 23°C	ASTM D256	28	J/m
HDT, 0.455 MPa, unannealed	ASTM D648	130	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.7 / 0.9	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Appliance structural parts - Electrical housings - Automotive carriers and covers	KEY BENEFITS - Higher rigidity - Dimensional stability - Reduced mould shrinkage
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-250°C; mould temperature: 30-60°C. Gate, rib and wall design should reflect the lower shrinkage of mineral-filled PP.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A high-modulus talc-filled polypropylene compound for rigid, dimensionally stable moulded components and selected metal-replacement applications.

Base / family	Mineral-Filled Polypropylene Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Talc content	ISO 3451-1	40	wt.%
Melt volume-flow rate, 230°C/2.16 kg	ISO 1133-1	11	cm ³ /10 min
Density, 23°C	ISO 1183-1	1.25	g/cm ³
Tensile stress at break, 23°C	ISO 527-2	26	MPa
Flexural modulus, 23°C	ISO 178	4,850	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	2.5	kJ/m ²
HDT, 0.45 MPa, unannealed	ISO 75-2	130	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.6 / 0.8	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Structural housings • HVAC/appliance components • Automotive brackets and covers	KEY BENEFITS • High stiffness • Low mould shrinkage • Heat-stabilised formulation option
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-260°C; mould temperature: 30-60°C. Use moderate shear and verify weld-line performance for load-bearing geometries.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

Chemically coupled PP compound combining useful stiffness, strength and heat resistance with practical injection flow.

Base / family	Glass-Fibre Reinforced Polypropylene	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Glass-fibre content	ISO 3451-1	20	wt. %
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	5	g/10 min
Density, 23°C	ISO 1183-1	1.04	g/cm ³
Tensile strength, 23°C	ISO 527-2	68	MPa
Flexural modulus, 23°C	ISO 178	4,000	MPa
Notched Izod impact, 23°C	ASTM D256	75	J/m
HDT, 1.82 MPa, unannealed	ASTM D648	145	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.4 / 0.8	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Appliance frames • Electrical and industrial parts • Under-hood non-safety components	KEY BENEFITS • Chemically coupled • Higher heat resistance • Improved creep resistance
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-250°C; mould temperature: 40-70°C. Wear-resistant plasticising components are recommended. Moderate screw speed helps retain fibre length.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A medium-high-flow structural PP compound for demanding moulded components with high stiffness and strength.

Base / family	Glass-Fibre Reinforced Polypropylene	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Glass-fibre content	ISO 3451-1	30	wt. %
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	14	g/10 min
Density, 23°C	ISO 1183-1	1.11	g/cm ³
Tensile strength, 23°C	ISO 527-2	90	MPa
Flexural modulus, 23°C	ISO 178	6,000	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	10	kJ/m ²
HDT, 1.80 MPa, unannealed	ISO 75-2	145	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.3 / 0.7	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Pump and appliance components - Industrial brackets - Automotive technical parts	KEY BENEFITS - High stiffness and strength - Low creep - Reduced thermal expansion
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 220-260°C; mould temperature: 40-70°C. Gate placement and filling profile should be selected to manage fibre orientation and part warpage.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A heat-stabilised structural polypropylene compound offering very high stiffness for demanding moulded components and selected metal-replacement applications.

Base / family	Glass-Fibre Reinforced Polypropylene	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Glass-fibre content	ISO 3451-1	40	wt.%
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	5.5	g/10 min
Density, 23°C	ISO 1183-1	1.22	g/cm ³
Tensile strength, 23°C	ISO 527-2	93	MPa
Flexural modulus, 23°C	ISO 178	7,500	MPa
Notched Izod impact, 23°C	ASTM D256	80	J/m
HDT, 1.82 MPa, unannealed	ASTM D648	152	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.3 / 0.6	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Structural appliance parts • Industrial supports • Under-hood technical components	KEY BENEFITS • Very high modulus • High heat resistance • Low creep under load
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 225-260°C; mould temperature: 40-70°C. Use wear-resistant equipment and account for fibre orientation in gate and part design.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

An impact-modified, mineral-filled PP/TPO compound for automotive interior trim with a balanced stiffness, impact and surface-performance profile.

Base / family	Automotive TPO Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / matched colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Mineral content	ISO 3451-1	20	wt.%
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	18	g/10 min
Density, 23°C	ISO 1183-1	1.04	g/cm ³
Tensile stress at yield, 23°C	ISO 527-2	20	MPa
Flexural modulus, 23°C	ISO 178	1,900	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	25	kJ/m ²
Notched Charpy impact, -30°C	ISO 179-1/1eA	4	kJ/m ²
HDT, 0.45 MPa, unannealed	ISO 75-2	100	°C

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Door trim • Pillar trim • Console and interior covers	KEY BENEFITS • Balanced stiffness and impact • Dimensional stability • Colour and surface options
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 200-240°C; mould temperature: 30-60°C. Colour, grain, scratch, odour, fogging and VOC performance are selected to the applicable customer specification.

Technical note: Automotive emission, odour, fogging, scratch, colour and OEM requirements are grade-, colour- and part-specific.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A UV-stabilised, impact-modified mineral-filled TPO compound for durable non-safety automotive exterior trim.

Base / family	Automotive TPO Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / black / matched colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Inorganic residue	ISO 3451-1	20	wt. %
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	19	g/10 min
Density, 23°C	ISO 1183-1	1.055	g/cm ³
Tensile stress at yield, 23°C	ISO 527-2	18	MPa
Flexural modulus, 23°C	ISO 178	1,550	MPa
Notched Izod impact, 23°C	ASTM D256	425	J/m
Notched Charpy impact, -30°C	ISO 179-1/1eA	6	kJ/m ²
Mould shrinkage, flow / transverse	ISO 294-4	0.8 / 1.1	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Bumper trim - Wheel-arch cladding - Exterior covers and guards	KEY BENEFITS - High impact performance - UV and thermal stabilisation - Paintable option
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 200-240°C; mould temperature: 30-60°C. Final weathering, colour retention and coating adhesion depend on colour, texture, paint system and component design.

Technical note: Weathering and coating performance should be assessed on the final colour, texture and component construction.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A UV-stabilised medium-density polyethylene compound supplied in pellet or rotational-moulding powder form, combining processability, ESCR and outdoor durability.

Base / family	Polyethylene Compounds	Primary process	Rotational moulding
Supply form	Pellets or powder	Standard colour	Natural / black / coloured

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	3.6	g/10 min
Density, 23°C	ISO 1183-1	0.939	g/cm ³
ESCR, F50, Condition A	ASTM D1693	≥ 1,000	h
Tensile stress at yield, 23°C	ISO 527-2	19	MPa
Flexural modulus, 23°C	ISO 178	825	MPa
Elongation at break, 23°C	ISO 527-2	≥ 400	%
Powder passing 500 µm	Sieve analysis	≥ 95	%
Powder below 150 µm	Sieve analysis	≤ 15	%
Powder bulk density	ASTM D1895	0.40	g/cm ³
Dry-flow time	ASTM D1895	≤ 30	s/100 g

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Water and chemical tanks - Agricultural containers - Outdoor industrial products	KEY BENEFITS 35-mesh powder option - High ESCR - Natural and pigmented variants
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PROCESSING GUIDELINES

Rotational moulding. Typical peak internal air temperature is 190-220°C. Oven cycle, cooling profile, wall thickness and venting should be optimised for the mould and machine.

Technical note: Tank and container performance depends on wall thickness, moulding cycle, venting, geometry and the intended chemical service.

PACKAGING AND STORAGE 20 or 25 kg moisture-resistant bags on pallets. Protect powder from contamination and humidity. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A black, UV- and heat-stabilised polyethylene compound for power, telecom, conduit and industrial cable jacketing.

Base / family	Polyethylene Compounds	Primary process	Cable extrusion
Supply form	Pellets	Standard colour	Black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	0.32	g/10 min
Density, 23°C	ISO 1183-1	0.956	g/cm ³
Carbon-black content	IEC 60811-605	2.5	wt.%
Carbon-black dispersion rating	IEC 60811-607	≤ 3	grade
Tensile stress at break	IEC 60811-501	32	MPa
Elongation at break	IEC 60811-501	≥ 600	%
Tensile/elongation retention, 110°C/336 h	IEC 60811-401	≥ 75	%
ESCR, F50, Condition B	ASTM D1693	≥ 2,000	h
Oxidation induction time, 210°C	ISO 11357-6	≥ 30	min
Volume resistivity, 23°C	IEC 62631-3-1	≥ 1×10¹⁶	Ω·cm

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Power-cable sheath - Telecom cable jacket - Conduit and industrial jacketing	KEY BENEFITS - High ESCR - Controlled carbon-black dispersion - Electrical insulation performance
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PROCESSING GUIDELINES

Cable extrusion. Recommended melt temperature: 180-220°C; die temperature: 190-220°C. Select screen pack, draw-down and cooling conditions for smooth surface and controlled shrinkback.

Technical note: Complete cable performance depends on cable construction and the applicable sheath standard.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A high-loading black masterbatch for colouring and UV screening in compatible polyethylene applications.

Base / family	Masterbatches and Additives	Primary process	Dosing / compounding
Supply form	Pellets	Standard colour	Black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Carbon-black content	TGA / gravimetric method	40	wt. %
Carrier polymer	FTIR	Polyethylene	
Density, 23°C	ISO 1183-1	1.20	g/cm ³
Melt flow rate, 190°C/21.6 kg	ISO 1133-1	12	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt. %
Dispersion rating at recommended dosage	ISO 18553	≤ 3	grade
Recommended addition	End-use trial	2.5-6.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Film and sheet - Pipe and conduit - application-specific approval - Moulded PE products	KEY BENEFITS 40% carbon black - High colour strength - PE-compatible carrier
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PROCESSING GUIDELINES

Preblend or gravimetrically dose into compatible polyethylene. Typical addition is 2.5-6.0%, depending on colour, UV performance, film thickness and end-use requirements.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A high-loading black masterbatch for consistent colouring of polypropylene moulding and extrusion applications.

Base / family	Masterbatches and Additives	Primary process	Dosing / compounding
Supply form	Pellets	Standard colour	Black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Carbon-black content	TGA / gravimetric method	40	wt. %
Carrier polymer	FTIR	Polypropylene	
Density, 23°C	ISO 1183-1	1.19	g/cm ³
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	5	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt. %
Dispersion rating at recommended dosage	Microscopy	≤ 3	grade
Recommended addition	End-use trial	1.0-5.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Injection-moulded PP • PP sheet and profiles • Compounds • Selected fibre and nonwoven applications	KEY BENEFITS • 40% carbon black • PP-compatible carrier • High colour strength
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PROCESSING GUIDELINES

Preblend or gravimetrically dose into compatible polypropylene. Typical addition is 1.0-5.0%. Fine-filtration variants are available for fibre and nonwoven applications.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A high-opacity white masterbatch for polyolefin film, sheet, blow-moulding and injection applications.

Base / family	Masterbatches and Additives	Primary process	Dosing / compounding
Supply form	Pellets	Standard colour	White

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Titanium-dioxide content	Ash / TGA	70	wt. %
Pigment type	XRF / supplier specification	Rutile TiO₂	
Carrier polymer	FTIR	LLDPE	
Density, 23°C	ISO 1183-1	2.03	g/cm ³
Melt flow rate, 190°C/21.6 kg	ISO 1133-1	14	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt. %
Recommended addition	End-use trial	1.0-5.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Blown/cast film - Sheet and profiles - Blow and injection moulding	KEY BENEFITS 70% surface-treated rutile TiO₂ - High opacity and whiteness - PE-compatible carrier
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PROCESSING GUIDELINES

Dose into a compatible polyolefin at 1.0-5.0%, according to thickness and opacity requirement. Use gravimetric dosing for consistent colour and minimise unnecessary thermal history.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A concentrated light-stabiliser masterbatch for improving outdoor durability of polyethylene film, rotomoulded products and moulded parts.

Base / family	Masterbatches and Additives	Primary process	Dosing / compounding
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Active light-stabiliser package	HPLC / formulation assay	20	wt.%
Carrier polymer	FTIR	LLDPE	
Density, 23°C	ISO 1183-1	0.935	g/cm ³
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	15	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt.%
Recommended addition	End-use trial	1.0-3.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Agricultural and packaging film • Rotomoulded products • Outdoor mouldings and profiles	KEY BENEFITS • 20% active light-stabiliser package • Low-colour formulation • PE-compatible carrier
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PROCESSING GUIDELINES

Dose gravimetrically into compatible polyethylene. A typical addition level is 1.0-3.0%; the final dosage depends on thickness, pigment, climate and required service life.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A concentrated light-stabiliser masterbatch for outdoor polypropylene mouldings, fibres, nonwovens and profiles.

Base / family	Masterbatches and Additives	Primary process	Dosing / compounding
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Active light-stabiliser package	HPLC / formulation assay	20	wt. %
Carrier polymer	FTIR	Polypropylene	
Density, 23°C	ISO 1183-1	0.925	g/cm ³
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	18	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt. %
Recommended addition	End-use trial	1.0-3.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Outdoor furniture and housewares - PP fibres/nonwovens - Automotive and industrial trim	KEY BENEFITS 20% active light-stabiliser package - Low-colour formulation - PP-compatible carrier
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PROCESSING GUIDELINES

Dose gravimetrically into compatible polypropylene. A typical addition level is 1.0-3.0%. Fibre and nonwoven applications should use the appropriate fine-filtration variant.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A concentrated primary/secondary antioxidant masterbatch for improving process stability and thermal-oxidative retention in virgin and reprocessed polyolefins.

Base / family	Masterbatches and Additives	Primary process	Dosing / compounding
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Total antioxidant package	HPLC / formulation assay	20	wt.%
Primary : secondary antioxidant	Formulation assay	1 : 1	nominal
Carrier polymer	FTIR	PE or PP variant	
MFR, PE variant, 190°C/2.16 kg	ISO 1133-1	10	g/10 min
MFR, PP variant, 230°C/2.16 kg	ISO 1133-1	18	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt.%
Recommended addition	End-use trial	0.5-1.5	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Film reprocessing - Re-pelletising - Moulding and extrusion compounds	KEY BENEFITS - Balanced phenolic/phosphite package - PE and PP carrier variants - Low-colour formulation
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PROCESSING GUIDELINES

Dose gravimetrically at 0.5-1.5%, according to resin condition, heat history and required stabilisation. Confirm compatibility with pigments, fillers and other additive packages.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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The information in this document is provided for material selection and processing guidance. Suitability for a specific design, process and end use should be confirmed by the user under actual service conditions.

PRODUCT OVERVIEW

A combined slip and antiblock masterbatch for LDPE and LLDPE film, designed to improve film handling and control coefficient of friction.

Base / family	Masterbatches and Additives	Primary process	Dosing / film extrusion
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Erucamide slip agent	HPLC / formulation assay	5	wt.%
Synthetic-silica antiblock	Ash / formulation assay	10	wt.%
Carrier polymer	FTIR	LLDPE	
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	10	g/10 min
Moisture / volatile content	ISO 15512	≤ 0.20	wt.%
Recommended addition	End-use trial	1.0-3.0	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - LDPE/LLDPE blown film - Cast film - Lamination and bag applications	KEY BENEFITS - Erucamide slip system - Synthetic-silica antiblock - PE-compatible carrier
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PROCESSING GUIDELINES

Dose into compatible polyethylene at 1.0-3.0%. Slip performance develops with conditioning time and temperature; printing, sealing and lamination should be assessed on the finished film.

PACKAGING AND STORAGE 25 kg PE-lined bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A maleic-anhydride-grafted polypropylene coupling agent for glass fibre, natural fibre, mineral-filled compounds and selected polymer blends.

Base / family	Functionalised Polyolefins	Primary process	Compounding
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	10	g/10 min
Density, 23°C	ISO 1183-1	0.91	g/cm ³
Melting peak	ISO 11357-3	165	°C
Grafted MAH content	Titration / calibrated FTIR	1.0	wt.%
Residual free MAH	GC / HPLC	≤ 0.10	wt.%
Gel fraction	Solvent extraction	≤ 0.50	wt.%
Recommended addition	Compound trial	1-5	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • PP-GF compounds • Natural-fibre PP • Mineral-filled PP and selected PP/PA blends	KEY BENEFITS • Controlled MAH functionality • Improved interfacial adhesion • Pellet form
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PROCESSING GUIDELINES

Dry blend or side-feed into PP compounding at 1-5%. Optimise dosage for filler surface area, fibre treatment, residence time and the required balance of strength and impact.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A maleic-anhydride-grafted polyethylene compatibiliser for mineral-filled HFFR compounds, wood-plastic composites, recycled blends and polar/non-polar interfaces.

Base / family	Functionalised Polyolefins	Primary process	Compounding
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	2.0	g/10 min
Density, 23°C	ISO 1183-1	0.92	g/cm ³
Melting peak	ISO 11357-3	120	°C
Grafted MAH content	Titration / calibrated FTIR	1.0	wt.%
Residual free MAH	GC / HPLC	≤ 0.10	wt.%
Gel fraction	Solvent extraction	≤ 0.50	wt.%
Recommended addition	Compound trial	1-10	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - HFFR compounds - Wood-plastic composites - Recycled PE blends and filled PE	KEY BENEFITS - Controlled MAH functionality - Mineral and fibre coupling - Low-flow variant
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PROCESSING GUIDELINES

Compound with compatible polyethylene at 1-10%. Use controlled residence time and effective venting; dosage depends on filler surface area, moisture and required adhesion.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A maleic-anhydride-grafted polyethylene tie-layer compound for PE/PA, PE/EVOH, aluminium/polyethylene and selected multilayer pipe or sheet structures.

Base / family	Functionalised Polyolefins	Primary process	Coextrusion
Supply form	Pellets	Standard colour	Natural

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	1.5	g/10 min
Density, 23°C	ISO 1183-1	0.931	g/cm ³
Tensile stress at yield, 23°C	ISO 527-2	12	MPa
Elongation at break, 23°C	ISO 527-2	≥ 600	%
Vicat softening temperature, A50	ISO 306	≥ 95	°C
Grafted MAH content	Titration / calibrated FTIR	0.7	wt.%
Moisture content	ISO 15512	≤ 0.10	wt.%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - PE/PA or PE/EVOH structures - Aluminium/PE laminates - Multilayer pipe and sheet	KEY BENEFITS - Reactive tie-layer functionality - High elongation - Film, sheet and pipe coextrusion
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PROCESSING GUIDELINES

Coextrusion. Recommended melt temperature: 200-240°C. Adhesion depends on adjacent resin, layer thickness, surface condition, draw ratio and residence time. Contact Technical Service for structure-specific grade selection.

Technical note: Adhesion is structure-specific. Technical Service can recommend the appropriate tie-layer grade and evaluation method.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A halogen-free flame-retardant polyolefin compound for cable jacketing and sheathing applications.

Base / family	Cable Compounds	Primary process	Cable extrusion
Supply form	Pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Melt flow rate, 190°C/2.16 kg	ISO 1133-1	0.7	g/10 min
Density, 23°C	ISO 1183-1	1.64	g/cm ³
Tensile strength	IEC 60811-501	≥ 10	MPa
Elongation at break	IEC 60811-501	≥ 125	%
Hardness	ISO 868	57	Shore D
Brittleness temperature	ASTM D746	≤ -25	°C
Oxygen index	ISO 4589-2	≥ 40	%
Acid-gas pH	IEC 60754-2	≥ 4.3	
Acid-gas conductivity	IEC 60754-2	≤ 10	μS/mm

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Fibre-optic cable jacket - Building and transit cable sheath - Industrial control cable	KEY BENEFITS - Halogen-free formulation - High oxygen index - Low-corrosivity combustion gases
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PROCESSING GUIDELINES

Cable extrusion using low shear and controlled moisture. Recommended melt temperature: 140-180°C, maintained below the decomposition onset of the mineral flame-retardant system. Use a streamlined die and controlled draw-down.

Technical note: Flame propagation and smoke performance are properties of the complete cable construction and should be assessed to the applicable cable standard.

PACKAGING AND STORAGE 25 kg moisture-barrier bags on pallets. Store sealed in a dry area below 30°C. Reseal opened bags and use promptly. Recommended shelf life: 12 months.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A two-component silane-crosslinkable polyethylene system for low-voltage cable and building-wire insulation.

Base / family	Cable Compounds	Primary process	Cable extrusion
Supply form	Two-component pellets	Standard colour	Natural / black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Base : catalyst mixing ratio	Gravimetric control	95 : 5	parts
Density of mixed system, 23°C	ISO 1183-1	0.925	g/cm ³
Melt flow rate, base, 190°C/2.16 kg	ISO 1133-1	1.5	g/10 min
Tensile strength after cure	IEC 60811-501	≥ 13	MPa
Elongation at break after cure	IEC 60811-501	≥ 300	%
Hot-set elongation, 200°C/0.2 MPa	IEC 60811-507	≤ 100	%
Permanent set	IEC 60811-507	≤ 15	%
Gel content after cure	ASTM D2765	≥ 65	%
Volume resistivity, 23°C	IEC 62631-3-1	≥ 1×10¹⁶	Ω·cm

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • LV power-cable insulation • Building wire insulation • Selected industrial wire	KEY BENEFITS • 95:5 base/catalyst system • Moisture-cure crosslinking • Natural and black variants
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PROCESSING GUIDELINES

Premix base and catalyst at 95:5 immediately before extrusion. Recommended melt temperature: 160-210°C. Keep both components sealed before use and cure the finished insulation under controlled hot-water or steam conditions.

Technical note: Crosslinking and finished-cable performance depend on extrusion, curing and cable construction.

PACKAGING AND STORAGE Moisture-barrier packaging for separate base and catalyst components. Store sealed below 30°C and protect from water. Recommended shelf life: 6 months.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A permanent static-dissipative polypropylene compound for electronics handling, industrial packaging and ESD-control components.

Base / family	Conductive and Static-Dissipative Compounds	Primary process	Injection / extrusion
Supply form	Pellets	Standard colour	Black / selected colours

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Surface resistance, conditioned plaque	IEC 61340-2-3	$1 \times 10^6 - 1 \times 10^9$	Ω
Static decay, 1,000 V to 100 V	IEC 61340-2-1	≤ 2	s
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	8	g/10 min
Density, 23°C	ISO 1183-1	1.00	g/cm ³
Tensile stress at yield, 23°C	ISO 527-2	26	MPa
Flexural modulus, 23°C	ISO 178	1,500	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	6	kJ/m ²

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Electronics handling trays - ESD bins and housings - Industrial packaging	KEY BENEFITS - Permanent ESD performance - Low humidity sensitivity - Selected colour options
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PROCESSING GUIDELINES

Injection moulding or extrusion. Recommended melt temperature: 210-250°C; mould temperature: 30-60°C. Avoid excessive shear, incompatible colourants and uncontrolled regrind that may disturb the dissipative network.

Technical note: Electrical resistance is measured on conditioned test plaques and can vary with thickness, colour, processing and surface condition.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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The information in this document is provided for material selection and processing guidance. Suitability for a specific design, process and end use should be confirmed by the user under actual service conditions.

PRODUCT OVERVIEW

A conductive reinforced polypropylene compound for groundable trays, housings, fixtures and industrial components.

Base / family	Conductive and Static-Dissipative Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Black

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Surface resistance, conditioned plaque	IEC 61340-2-3	1×10²-1×10⁴	Ω
Melt volume-flow rate, 230°C/10 kg	ISO 1133-1	35	cm ³ /10 min
Density, 23°C	ISO 1183-1	1.11	g/cm ³
Tensile strength, 23°C	ISO 527-2	68	MPa
Flexural modulus, 23°C	ISO 178	4,750	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	≥ 7	kJ/m ²
HDT, 1.80 MPa	ISO 75-2	≥ 120	°C

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Groundable housings • Conductive trays and fixtures • Industrial/electronic components	KEY BENEFITS • Low surface resistance • High stiffness • Injection-moulding grade
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 240-270°C; mould temperature: 40-70°C. Conductive networks are sensitive to shear and orientation; use consistent machine settings and gate design.

Technical note: Grounding, EMI shielding and hazardous-area suitability are application- and part-specific.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A mineral-filled polypropylene compound containing physically incorporated post-consumer recycled PP for durable non-safety moulded parts.

Base / family	Recycled-Content Compounds	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Black / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Physically incorporated PCR content	ISO 14021 supporting records	≥ 50	wt.%
Inorganic residue	ISO 3451-1	20	wt.%
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	5	g/10 min
Density, 23°C	ISO 1183-1	1.08	g/cm ³
Tensile stress at yield, 23°C	ISO 527-2	≥ 25	MPa
Flexural modulus, 23°C	ISO 178	≥ 2,000	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	≥ 3	kJ/m ²

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS - Automotive non-safety trim - Appliance/industrial housings - Pallets, crates and durable goods	KEY BENEFITS - Minimum 50% PCR content - Controlled mineral loading - Lot-to-lot quality control
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PROCESSING GUIDELINES

Injection moulding. Recommended melt temperature: 200-240°C; mould temperature: 30-60°C. Use controlled regrind addition and consistent colour management.

Technical note: Recycled-content documentation is provided for the applicable grade and supply chain.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A natural general-purpose ABS compound designed for injection-moulded housings and industrial components requiring a balanced combination of surface quality, stiffness, impact performance and dimensional control.

Base / family	Styrenic Materials	Primary process	Injection moulding
Supply form	Pellets	Standard colour	Natural / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Density, 23°C	ISO 1183-1	1.05	g/cm ³
Melt flow rate, 220°C/10 kg	ISO 1133-1	19	g/10 min
Tensile stress at yield, 23°C	ISO 527-2	46	MPa
Tensile modulus, 23°C	ISO 527-2	2,350	MPa
Flexural modulus, 23°C	ISO 178	2,350	MPa
Notched Charpy impact, 23°C	ISO 179-1/1eA	22	kJ/m ²
Vicat softening temperature, VST/A50	ISO 306	99	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.6	%
Gloss, 60°, defined plaque	ASTM D2457	≥ 80	GU

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Appliance housings • Consumer products • Office equipment • Non-rated electrical and electronic housings • General industrial mouldings	KEY BENEFITS • High-quality surface • Balanced stiffness and impact • Stable injection moulding • Good colourability
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PROCESSING GUIDELINES

Injection moulding. Predry at 80°C for 2-4 h in dry air. Recommended melt temperature: 220-260°C; mould temperature: 40-80°C. Limit residence time and provide effective venting.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A natural high-impact polystyrene grade offering a practical stiffness-toughness balance for moulding, sheet extrusion and thermoforming.

Base / family	Styrenic Materials	Primary process	Injection / extrusion
Supply form	Pellets	Standard colour	Natural / custom colour

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Density, 23°C	ISO 1183-1	1.04	g/cm ³
Melt flow rate, 200°C/5 kg	ISO 1133-1	4.2	g/10 min
Tensile stress at yield, 23°C	ISO 527-2	24	MPa
Tensile modulus, 23°C	ISO 527-2	1,950	MPa
Flexural modulus, 23°C	ISO 178	1,900	MPa
Notched Izod impact, 23°C	ISO 180/1A	10	kJ/m ²
Elongation at break, 23°C	ISO 527-2	55	%
Vicat softening temperature, VST/B50	ISO 306	88	°C
Mould shrinkage, flow/transverse	ISO 294-4	0.6	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Appliance parts • Technical articles • Consumer mouldings • Extruded sheet • Thermoformed non-regulated products	KEY BENEFITS • Reliable impact response • Balanced rigidity • Stable flow • Good surface appearance • Easy colouring
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PROCESSING GUIDELINES

Injection moulding: melt 190-240°C; mould 20-60°C. Sheet extrusion: melt 180-220°C. Optimise die profile, draw-down and roll temperatures for gauge stability and surface finish.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A transparent general-purpose polystyrene grade designed for rigid moulded articles and sheet extrusion where clarity, stiffness and dimensional consistency are required.

Base / family	Styrenic Materials	Primary process	Injection / extrusion
Supply form	Pellets	Standard colour	Transparent

TYPICAL PROPERTIES

Property / condition	Test method	Typical value	Unit
Density, 23°C	ISO 1183-1	1.05	g/cm ³
Melt flow rate, 200°C/5 kg	ISO 1133-1	4	g/10 min
Tensile strength at break, 23°C	ISO 527-2	45	MPa
Elongation at break, 23°C	ISO 527-2	3	%
Tensile modulus, 23°C	ISO 527-2	3,200	MPa
Flexural modulus, 23°C	ISO 178	3,200	MPa
Unnotched Charpy impact, 23°C	ISO 179-1/1eU	8	kJ/m ²
Vicat softening temperature, VST/B50	ISO 306	94	°C
Luminous transmittance, 2 mm plaque	ASTM D1003	≥ 88	%
Haze, 2 mm plaque	ASTM D1003	≤ 2.0	%
Mould shrinkage, flow/transverse	ISO 294-4	0.6	%

Unless otherwise stated, standard specimen preparation and conditioning apply. Typical values are representative and are not minimum specification limits.

APPLICATIONS • Rigid household articles • Transparent consumer products • Stationery • Appliance components • Extruded sheets and profiles	KEY BENEFITS • High clarity • High stiffness • Predictable shrinkage • Stable injection and extrusion processing
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PROCESSING GUIDELINES

Injection moulding: melt 180-240°C; mould 20-60°C. Extrusion: melt 180-220°C. Use suitable filtration, controlled residence time and balanced chill-roll temperatures for optical sheet.

Technical note: Optical values refer to a 2 mm plaque prepared under controlled moulding conditions.

PACKAGING AND STORAGE 25 kg moisture-resistant bags on pallets. Store dry, below 40°C, away from sunlight and direct heat. Recommended shelf life: 12 months in unopened packaging.	REGULATORY DOCUMENTATION Current safety and grade-specific regulatory documentation is available through Technical Service for the intended application and market.
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PRODUCT OVERVIEW

A structured custom-compounding service that converts an application requirement into a controlled formulation, processing window and product documentation package.

Base / family	Custom Compounding	Primary process	Application-specific
Supply form	Pellets / powder	Standard colour	Application-specific

TECHNICAL REQUEST INPUTS

Technical input	Information requested
Reference material	Current grade, sample or performance baseline
Conversion process	Machine, screw, die or mould, temperatures and cycle
Part or film geometry	Thickness, flow length, orientation and critical features
Required properties	Test method, condition and acceptance value
Service environment	Heat, UV, chemicals, load and duration
Appearance	Colour, gloss, texture, odour and visual standard
Regulatory scope	Country, industry, intended use and applicable standard
Annual demand	Trial quantity, forecast volume and packaging requirement

APPLICATIONS

- Grade replacement
- Property optimisation
- Cost-performance redesign
- Colour and additive integration
- Application-specific compounds

CAPABILITIES

- Confidential formulation management
- Laboratory and pilot trials
- Industrial scale-up
- Batch traceability

TECHNICAL WORKFLOW

Technical brief review; formulation design; laboratory compounding; pilot trial; application evaluation; industrial scale-up; product documentation and controlled supply.

TYPICAL DELIVERABLES

Product specification, Technical Data Sheet, Safety Data Sheet, processing guide, sample and batch documentation, as applicable.

CONFIDENTIALITY

Customer inputs, reference materials and formulation records are handled through controlled technical and commercial channels.