

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	$1 \times 10^2 - 1 \times 10^4$	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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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.