



PP-TD30

30% Talc-Filled Polypropylene Compound

PRELIMINARY ENGINEERING DATA

DOCUMENT ID JPI-TDS-PP-TD30  
ISSUE DATE 2026-07-22

OWNER TECHNICAL & R&D  
STATUS CONTROLLED DEVELOPMENT DATA

PRODUCT OVERVIEW

A higher-stiffness PP compound for dimensionally stable moulded parts requiring a cost/performance balance. Applications: Appliance structural parts; Electrical housings; Automotive carriers and covers. Key features: Higher rigidity; Good dimensional stability; Low warpage design target.

PRELIMINARY TECHNICAL PROPERTIES

| PROPERTY / CONDITION                | TEST METHOD                                | PROVISIONAL VALUE | UNIT     |
|-------------------------------------|--------------------------------------------|-------------------|----------|
| Inorganic residue (talc-correlated) | ISO 3451-1; validated internal correlation | 30 ± 1.5          | wt. %    |
| Melt flow rate, 230°C/2.16 kg       | ISO 1133-1                                 | 10 ± 2            | g/10 min |
| Density, 23°C                       | ISO 1183-1                                 | 1.13-1.16         | g/cm³    |
| Tensile strength, 23°C              | ISO 527-2                                  | 31-35             | MPa      |
| Flexural modulus, 23°C              | ISO 178                                    | 2,700-3,200       | MPa      |
| Notched Izod impact, 23°C           | ASTM D256                                  | 23-32             | J/m      |
| HDT, 0.455 MPa, unannealed          | ASTM D648                                  | 125-135           | °C       |
| Mould shrinkage, flow/transverse    | ISO 294-4                                  | To be established | %        |

QUALIFICATION & USE

- Values are development targets, not a sales specification or certificate of analysis.
- Final limits require independent production-lot validation using the cited methods and controlled specimen preparation.
- Regulatory, food-contact, medical, UL, IEC, ATEX or OEM compliance applies only when confirmed in a grade-specific document.