



PP-TD20

20% Talc-Filled Polypropylene Compound

PRELIMINARY ENGINEERING DATA

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OWNER TECHNICAL & R&D
STATUS CONTROLLED DEVELOPMENT DATA

PRODUCT OVERVIEW

A balanced injection-moulding PP compound designed for improved stiffness, dimensional stability and economical part production. Applications: Appliance housings; Industrial components; Automotive non-safety trim. Key features: Balanced stiffness/impact; Reduced shrinkage; Good mouldability.

PRELIMINARY TECHNICAL PROPERTIES

PROPERTY / CONDITION	TEST METHOD	PROVISIONAL VALUE	UNIT
Inorganic residue (talc-correlated)	ISO 3451-1; validated internal correlation	20 ± 1	wt. %
Melt flow rate, 230°C/2.16 kg	ISO 1133-1	12 ± 3	g/10 min
Density, 23°C	ISO 1183-1	1.045-1.065	g/cm³
Tensile stress at yield, 23°C	ISO 527-2	30-34	MPa
Flexural modulus, 23°C	ISO 178	2,300-2,800	MPa
Notched Izod impact, 23°C	ASTM D256	30-45	J/m
HDT, 1.82 MPa, unannealed	ASTM D648	70-80	°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.