

RTP 131

Polypropylene

RTP Company

Technical Data

Product Description

Talc

General

Filler / Reinforcement	• Talc, 10% Filler by Weight
RoHS Compliance	• Contact Manufacturer
Processing Method	• Injection Molding

Physical

	Nominal Value Unit	Test Method
Specific Gravity	0.980 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.6 %	ASTM D955

Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	2550 MPa	ASTM D638
Tensile Strength	33.1 MPa	ASTM D638
Tensile Elongation (Yield)	> 10 %	ASTM D638
Flexural Modulus	2140 MPa	ASTM D790
Flexural Strength	49.0 MPa	ASTM D790

Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	59 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1200 J/m	ASTM D4812

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	60.0 °C	ASTM D648

Flammability

	Nominal Value Unit	Test Method
Flame Rating 1.50 mm, Values per RTP Company testing.	HB	UL 94

Additional Information

	Nominal Value Unit
Primary Additive	10 %

Injection

	Nominal Value Unit
Drying Temperature	79.4 °C
Drying Time	2.0 hr
Processing (Melt) Temp	191 to 232 °C
Mold Temperature	32.2 to 65.6 °C
Injection Pressure	68.9 to 103 MPa