

RTP 127 HB

Polypropylene

RTP Company

Technical Data

Product Description

Talc - UL94 HB

General

Filler / Reinforcement	• Talc Filler, 40% Filler by Weight
RoHS Compliance	• Contact Manufacturer
Processing Method	• Injection Molding

Physical

	Nominal Value Unit	Test Method
Specific Gravity	1.25 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70 to 1.1 %	ASTM D955
Water Absorption (23°C, 24 hr)	0.030 %	ASTM D570

Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	5170 MPa	ASTM D638
Tensile Strength	30.3 MPa	ASTM D638
Tensile Elongation (Yield)	> 10 %	ASTM D638
Flexural Modulus	3930 MPa	ASTM D790
Flexural Strength	53.8 MPa	ASTM D790

Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	43 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	370 J/m	ASTM D256

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	132 °C	
1.8 MPa, Unannealed	82.2 °C	

Electrical

	Nominal Value Unit	Test Method
Volume Resistivity	> 1.0E+15 ohm·cm	ASTM D257

Flammability

	Nominal Value Unit	Test Method
Flame Rating (1.50 mm)	HB	UL 94

Additional Information

	Nominal Value Unit
Primary Additive	40 %

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