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Product Data Sheet & General Processing Conditions

RTP 127 Polypropylene (PP) Talc

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Primary Additive	40 %	40 %	
Specific Gravity	1.25	1.25	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0070 - 0.0110 in/in	0.70 - 1.10 %	D 955

MECHANICAL

Impact Strength, Izod			
notched 1/8 in (3.2 mm) section	0.5 ft-lbs/in	27 J/m	D 256
unnotched 1/8 in (3.2 mm) section	6.0 ft-lbs/in	320 J/m	D 4812
Tensile Strength	4500 psi	31 MPa	D 638
Tensile Elongation	> 10.0 %	> 10.0 %	D 638
Tensile Modulus	0.65 x 10 ⁶ psi	4482 MPa	D 638
Flexural Strength	8500 psi	59 MPa	D 790
Flexural Modulus	0.57 x 10 ⁶ psi	3930 MPa	D 790

THERMAL

Deflection Temperature			
@ 264 psi (1820 kPa)	180 °F	82 °C	D 648
@ 66 psi (455 kPa)	270 °F	132 °C	D 648
Ignition Resistance*			
Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

** Values per RTP Company testing.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Melt Temperature	375 - 450 °F	191 - 232 °C
Mold Temperature	90 - 150 °F	32 - 66 °C
Drying	2 hrs @ 175 °F	2 hrs @ 79 °C