

RTP 128 FR

Polypropylene
RTP Company

Message:

Talc - Flame Retardant

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 to 5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.80 to 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength	26.2	MPa	ASTM D638
Tensile Elongation (Yield)	7.0 to 10	%	ASTM D638
Flexural Modulus	3240	MPa	ASTM D790
Flexural Strength	50.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	270	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	110	°C	
1.8 MPa, Unannealed	76.7	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Additional Information	Nominal Value	Unit	
Primary Additive	20	%	
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

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