

Generic TPO - Talc

Compounded Polypropylene
Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic TPO - Talc
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Talc filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.992 - 1.08	g/cm ³	ASTM D792
23°C	1.00 - 1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0 - 30	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.010 - 1.3	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	59 - 75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	18.8 - 30.3	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	12 - 70	%	ISO 527-2
Flexural Modulus			
23°C	1300 - 3600	MPa	ASTM D790
23°C	1260 - 3500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5 - 5.7	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	2.7 - 29	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	104 - 121	°C	ISO 75-2/B
1.8 MPa, not annealed	57.5 - 64.3	°C	ISO 75-2/A
Vicat Softening Temperature	100 - 151	°C	ISO 306
CLTE - Flow	7.4E-5 - 5.0E-4	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	57.2 - 100	°C	
Drying Time	1.5 - 3.0	hr	
Rear Temperature	193 - 238	°C	
Middle Temperature	204 - 238	°C	
Front Temperature	216 - 238	°C	
Processing (Melt) Temp	218 - 232	°C	
Mold Temperature	26.7 - 54.4	°C	

Injection instructions

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