

Sup-tech P280

Polypropylene

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech P280 is a Polypropylene product filled with 20% mineral. It can be processed by injection molding and is available in Asia Pacific.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR)	2.0 to 8.0	g/10 min	DIN 53735
Molding Shrinkage	0.12	%	DIN 53464
Water Absorption (23°C, 24 hr)	0.030	%	DIN 53495
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	88		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	31.0	MPa	DIN 53455
Tensile Strain (Break)	5.0	%	DIN 53452
Flexural Modulus	3050	MPa	DIN 53457
Flexural Stress	53.0	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m ²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			DIN 53461
0.45 MPa, Unannealed	135	°C	
1.8 MPa, Unannealed	105	°C	
Melting Temperature	170	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Electric Strength	19	kV/mm	DIN 53481
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	185 to 240	°C	

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