

Sup-tech CT103

Polycarbonate + PBT

Shanghai Suptech Engineering Plastics Co. Ltd.

Message:

Sup-tech CT103 is a Polycarbonate + PBT (PC+PBT) product. It can be processed by injection molding and is available in Asia Pacific.

General Information			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	DIN 53479
Molding Shrinkage	5.0E-3 to 7.0E-3	%	DIN 53464
Water Absorption			DIN 53495
23°C, 24 hr	0.10	%	
Saturation, 23°C	0.20	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	50.0	MPa	DIN 53455
Tensile Strain (Break)	25	%	DIN 53452
Flexural Modulus	2000	MPa	DIN 53457
Flexural Stress	75.0	MPa	DIN 53457
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	45	kJ/m ²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	120	°C	DIN 53461
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Electric Strength	18	kV/mm	DIN 53481
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	7.0 to 18	hr	
Processing (Melt) Temp	240 to 270	°C	

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