

Technical Data Sheet

Hostacom FPP 20/10 TGF BLK



Polypropylene Compounds

Product Description

Hostacom FPP 20/10 TGF BLK is a 10% talc filled and 10% glass fiber reinforced PP homopolymer with high strength and low warpage.

Application	White Goods
Market	Electrical / Electronics
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	7.0	cm ³ /10 min	ISO 1133-1
Density	1.05	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	4000	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Tensile Modulus, (23 °C)	3600	MPa	ISO 527-1, -2
Tensile Stress at Break	43	MPa	ISO 527-1, -2
Tensile Strain at Break	6.0	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched (23 °C)	5.0	kJ/m ²	ISO 179-1/1eA
(-30 °C)	4.0	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	40	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature (A50)	160	°C	ISO 306
(B50)	105	°C	ISO 306
Deflection Temperature Under Load (0.45 MPa, Unannealed)	145	°C	ISO 75-1, -2
(1.80 MPa, Unannealed)	115	°C	ISO 75A-1, -2
Electrical			
Volume Resistivity	>1.0E+13	ohm*cm	IEC 93
Surface Resistivity	> 1.0E+15	ohm	IEC 93
Flammable			
Flame Rating - UL, (1.5 mm)	HB		UL 94