

Technical Data Sheet

Polyfort TPP2B20HSUVBK55BLK



Polypropylene, Homopolymer

Product Description

TPP2B20HSUVBK55 is a 20% Talc-Filled, Heat and UV Stabilized Polypropylene Homopolymer

Processing Method	Injection Molding
Attribute	Heat Stabilized; UV Stabilized
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density	1.05	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	32	MPa	ISO 527-2
Flexural Modulus, (Chord)	2040	MPa	ISO 178
Impact			
Notched Izod Impact Strength	4.7	kJ/m ²	ISO 180

Injection Parameters	Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	199 to 227	°C
Front Temperature	177 to 221	°C
Middle Temperature	177 to 221	°C
Rear Temperature	177 to 221	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	21 to 49	°C
Cushion	6.35 to 12.7	mm