

Technical Data Sheet

Polyfort TPP3C20HSBK21BLK



Polypropylene, Homopolymer

Product Description

Polyfort TPP3C20HSBK21BLK is a Polypropylene Homopolymer Talc, 20% filled material and is typically used in Injection Molding applications.

Processing Method	Injection Molding
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.1	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield, (23 °C)	28.8	MPa	ASTM D638
Flexural Modulus, (23 °C)	2270	MPa	ASTM D790
Tensile Elongation at Break	51	%	ASTM D638
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	64	J/m	ASTM D256

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Front Temperature	177 to 221	°C
Middle Temperature	177 to 221	°C
Rear Temperature	177 to 221	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	30 to 60	°C
Cushion	6.35 to 12.7	mm