

Technical Data Sheet

Polyfort SPR3B20CCBK21BLK

Polypropylene, Homopolymer

Product Description

SPR3B20CCBK21 is a 20% Glass/Talc-Filled Polypropylene

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.3	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	9.3	%	ASTM D638
Tensile Strength at Yield, (23 °C)	42.0	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	2760	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	75	J/m	ASTM D256
Hardness			
Durometer Hardness, (Shore D)	67		ASTM D2240

Injection Parameters	Nominal 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