

Technical Data Sheet

Polyfort TPP2A20BKBLK

Polypropylene Copolymer

Product Description

Polyfort TPP2A20BKBLK is a Polypropylene Copolymer Talc, 20% filled material and is typically used in Injection Molding applications. Features include: Copolymer.

Processing Method	Injection Molding
Attribute	Copolymer
Forms	Pellets
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	3.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	26.9	MPa	ASTM D638
Flexural Modulus, (Tangent)	2000	MPa	ASTM D790
Impact			
Gardner Impact	2.26	J	ASTM D3029
Notched Izod Impact, (23 °C, 3.18 mm)	53	J/m	ASTM D256
Hardness			
Durometer Hardness, (Shore D)	72		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	68.3	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	110	°C	ASTM D648

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