

Technical Data Sheet

Polyfort SPP1B40CCNANAT

Polypropylene Copolymer

Product Description

Polyfort SPP1B40CCNANAT is a Polypropylene Copolymer Glass Fiber\Talc, 40% filled material and is typically used in Injection Molding applications. Features include: Chemically Coupled, and Copolymer.

Processing Method	Injection Molding
Attribute	Chemically Coupled; Copolymer
Forms	Pellets
Appearance	Natural Color
Filler/Reinforcement	Glass Fiber\Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	10	g/10 min	ASTM D1238
Density - Specific Gravity	1.24	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	60.7	MPa	ASTM D638
Tensile Strength at Break	0.0689	MPa	ASTM D638
Flexural Modulus, (Tangent)	5310	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	48	J/m	ASTM D256

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