

Polyfort SPP1B40CCNANAT

LyondellBasell Industries - Polypropylene Copolymer

General Information

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.

General

Filler / Reinforcement	• Glass Fiber/Talc, 40% Filler by Weight
Features	• Chemically Coupled • Copolymer
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8800	psi	ASTM D638
Tensile Strength (Break)	9.99	psi	ASTM D638
Flexural Modulus - Tangent	770000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.90	ft-lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180 to 219	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	351 to 430	°F
Middle Temperature	351 to 430	°F
Front Temperature	351 to 430	°F
Processing (Melt) Temp	390 to 441	°F
Mold Temperature	70 to 120	°F
Injection Rate	Moderate	
Back Pressure	20.0 to 300	psi
Cushion	0.250 to 0.500	in