

Polyfort SPR3B20CCBK21BLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

SPR3B20CCBK21 is a 20% Glass/Talc-Filled Polypropylene

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	6090	psi	ASTM D638
Tensile Elongation (Yield)	9.3	%	ASTM D638
Flexural Modulus - Tangent (73°F)	400000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.4	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240

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