

Technical Data Sheet

Polyfort SPR3B20CCBK21BLK



Polypropylene, Homopolymer

Product Description

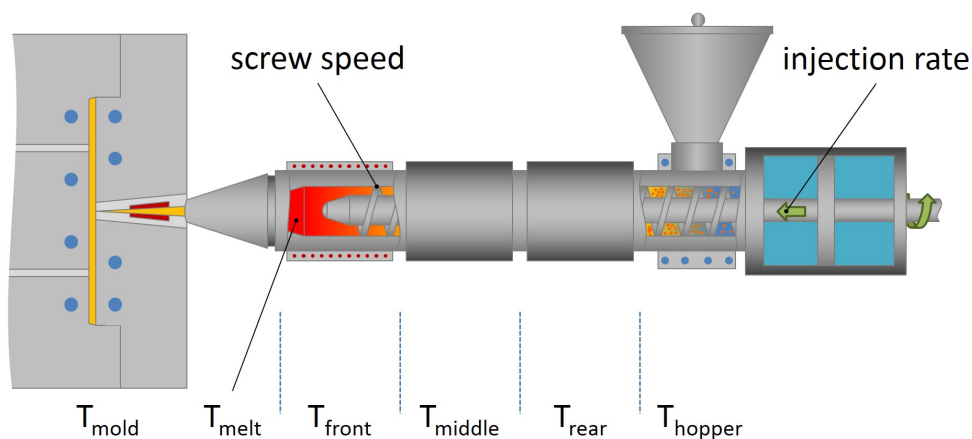
SPR3B20CCBK21 is a 20% Glass/Talc-Filled Polypropylene

Regulatory Status

For regulatory compliance information, see SPR3B20CCBK21BLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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