

Technical Data Sheet

Polyfort TPP2B20BK21BLK



Polypropylene Copolymer

Product Description

Polyfort TPP2B20BK21BLK is a Polypropylene Copolymer Talc, 20% filled material and is typically used in Injection Molding applications.

Regulatory Status

For regulatory compliance information, see TPP2B20BK21BLK [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	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	25.9	MPa	ASTM D638
Flexural Modulus, (Tangent)	1970	MPa	ASTM D790
Impact			
Gardner Impact	14.7	J	ASTM D3029
Notched Izod Impact	91	J/m	ASTM D256
Thermal			
RTI Str	65.6	°C	UL 746B



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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