

Technical Data Sheet

Polyfort TPP3C20HSBK21BLK



Polypropylene, Homopolymer

Product Description

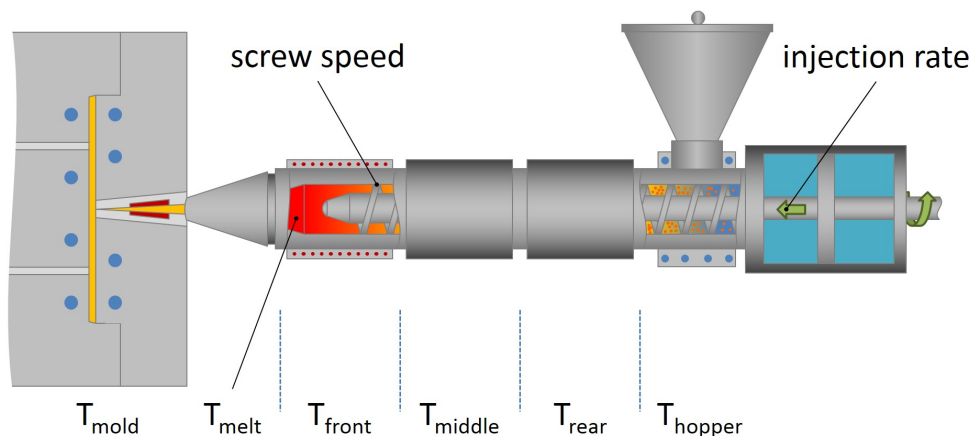
Polyfort TPP3C20HSBK21BLK is a Polypropylene Homopolymer Talc, 20% filled material and is typically used in Injection Molding applications.

Regulatory Status

For regulatory compliance information, see TPP3C20HSBK21BLK [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)	8.1	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield, (23 °C)	28.8	MPa	ASTM D638
Flexural Modulus, (23 °C)	2270	MPa	ASTM D790
Tensile Elongation at Break	51	%	ASTM D638
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	64	J/m	ASTM D256



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Front Temperature	177 to 221	°C
Middle Temperature	177 to 221	°C
Rear Temperature	177 to 221	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	30 to 60	°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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