

Technical Data Sheet

Polyfort FPP 1642-31 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

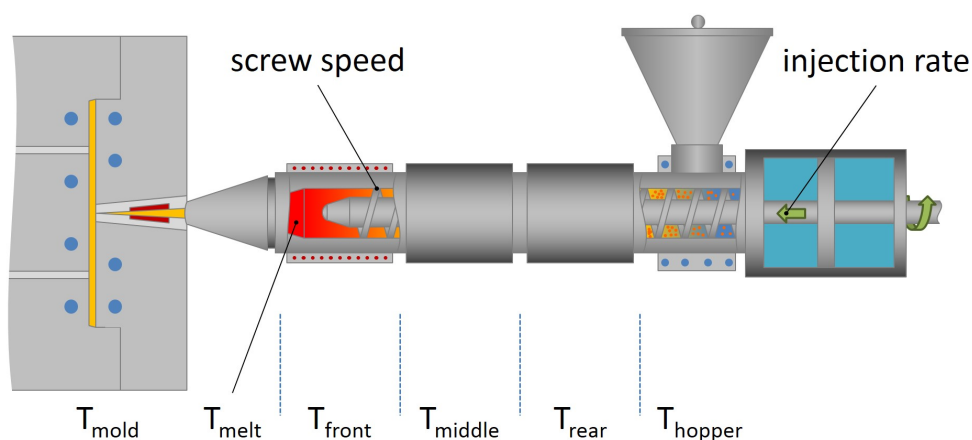
PP 70% Barium Sulfate

Regulatory Status

For regulatory compliance information, see FPP 1642-31 BLACK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Filler/Reinforcement	Barium Sulfate, 70%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	2.05	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	17.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	3900	MPa	ASTM D790
Impact			
Notched Izod Impact	24	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	67	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	110	°C	ASTM D648
Additional Information			
Filler Content	70	%	ASTM D5630



Injection Parameters	Nominal	Units
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Injection Parameters	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C

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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