

Technical Data Sheet

Polyfort GPP-0215U BK2115BLK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

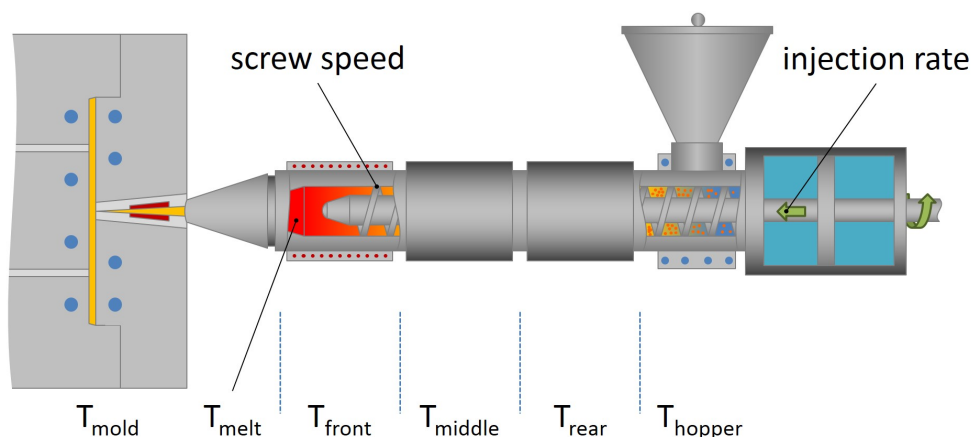
GPP-0215U is a 15% Glass-Reinforced, UV Stabilized Polypropylene

Regulatory Status

For regulatory compliance information, see GPP-0215U BK2115BLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Attribute	UV Stabilized
Forms	Pellets
Appearance	Black
Additive	Impact Modifier
Filler/Reinforcement	Glass Fiber, 15%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical			
Tensile Strength, (23 °C)	53.1	MPa	ASTM D638
Flexural Modulus	3120	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	75	J/m	ASTM D256



Injection Parameters

Nominal
Units

Injection Parameters	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	93	°C
Clamp Tonnage	2.8 to 4.1	kN/cm ²
Nozzle Temperature	216 to 221	°C
Screw Speed	100 to 150	rpm
Front Temperature	210 to 216	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	204 to 210	°C
Rear Temperature	199 to 204	°C
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	46 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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