

Technical Data Sheet

Polyfort FPP 1220U-3120 01 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

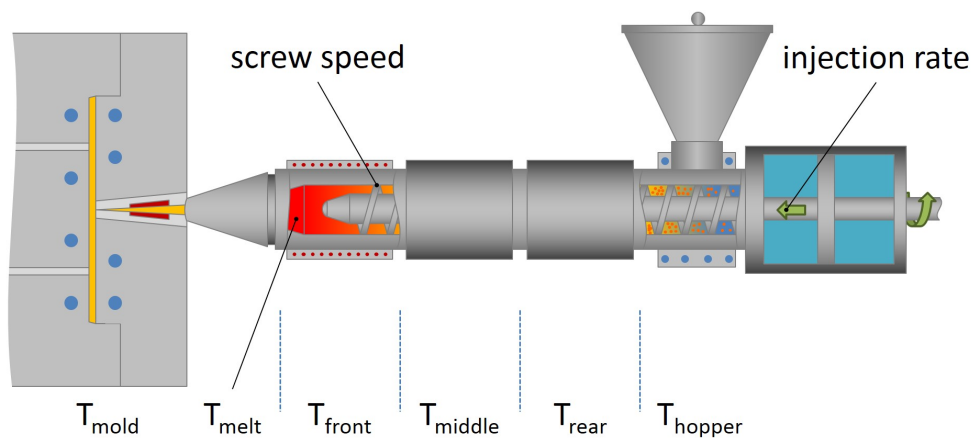
Polyfort FPP 1220U 3120 is a 20% Glass Fiber Reinforced, UV Stabilized Polypropylene

Regulatory Status

For regulatory compliance information, see *Polyfort* FPP 1220U-3120 01 BLACK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Attribute	UV Stabilized
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	9.2	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	54.2	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, Tangent)	3750	MPa	ASTM D790
Tensile Elongation at Break	6.7	%	ASTM D638
Flexural Strength	84	MPa	ASTM D790
Impact			
Notched Izod Impact	130	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	120	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	150	°C	ASTM D648
Additional Information			
Filler Content	20	%	ASTM D5630



Injection Parameters	Nominal 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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