

Technical Data Sheet

Polyfort FPP 3810-01 NATURAL



Polypropylene, Unspecified (PP, Unspecified)

Product Description

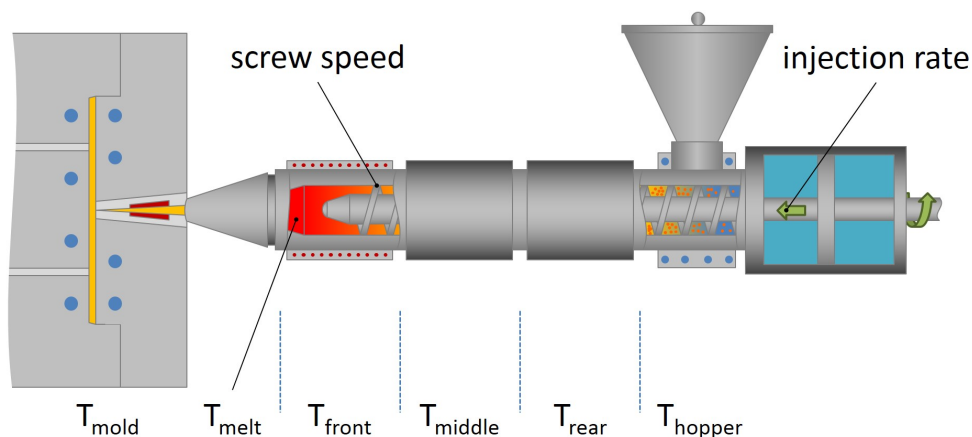
20% calcium carbonate filled, impact copolymer polypropylene

Regulatory Status

For regulatory compliance information, see *Polyfort FPP 3810-01 NATURAL* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Filler/Reinforcement	Calcium Carbonate, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	22	g/10 min	ASTM D1238
Density - Specific Gravity	1.12	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	19.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	1330	MPa	ASTM D790
Tensile Elongation at Break	200	%	ASTM D638
Impact			
Instrumented Dart Impact, (23 °C)	33.0	J	ASTM D3763
Notched Izod Impact, (23 °C)	110	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	49	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	80	°C	ASTM D648



Nominal

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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