

Technical Data Sheet

Polyfort CPP1B40NANAT



Polypropylene, Unspecified (PP, Unspecified)

Product Description

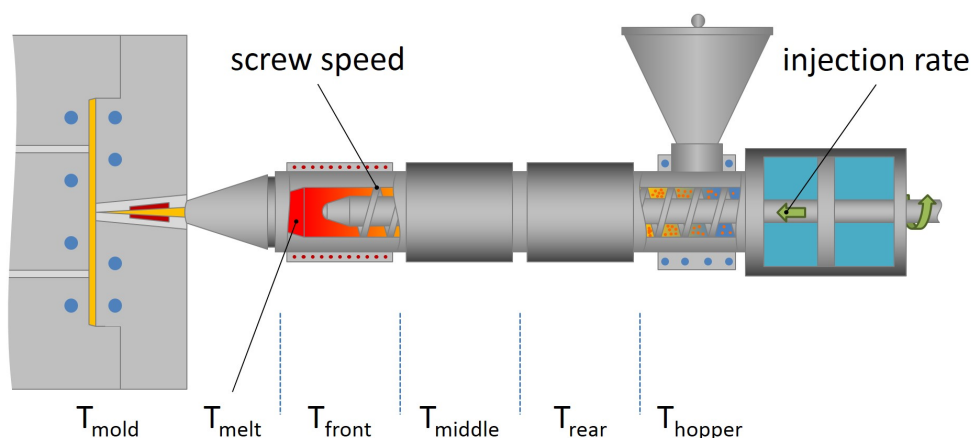
Polyfort CPP1B40NANAT is a Polypropylene, Unspecified Calcium Carbonate, 40% filled material and is typically used in Injection Molding applications.

Regulatory Status

For regulatory compliance information, see CPP1B40NANAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Forms	Pellets
Filler/Reinforcement	Calcium Carbonate, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.25	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	7	%	ASTM D638
Tensile Strength at Yield	24.8	MPa	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Impact			
Gardner Impact	15.6	J	ASTM D5420
Notched Izod Impact	64	J/m	ASTM D256



Injection Parameters	Nominal	Units
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Injection Parameters	Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	199 to 232	°C
Front Temperature	188 to 232	°C
Middle Temperature	188 to 232	°C
Rear Temperature	188 to 232	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	21 to 49	°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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