

Technical Data Sheet

Polyfort LPP20BN57HB-NANAT



Polypropylene, Unspecified (PP, Unspecified)

Product Description

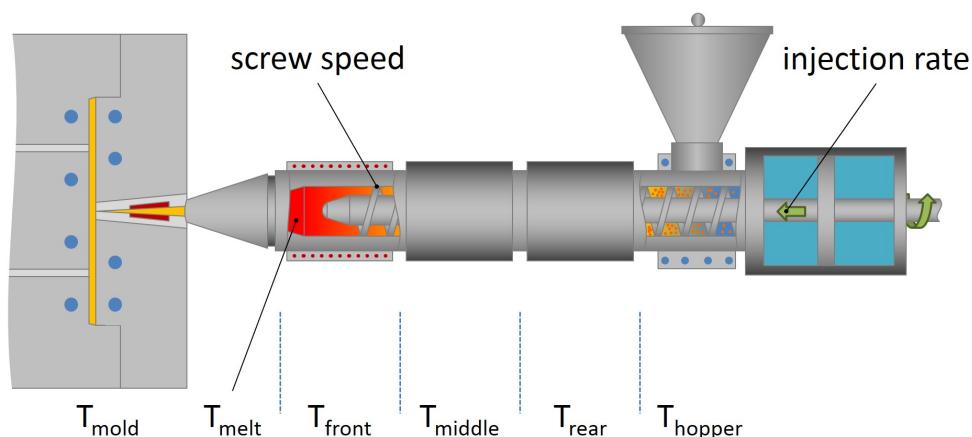
Polyfort LPP20BN57HB-NANAT is a Polypropylene, Unspecified Calcium Carbonate, 20% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

Regulatory Status

For regulatory compliance information, see LPP20BN57HB-NANAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Latin America; North America
Processing Method	Injection Molding
Attribute	Impact Modified
Forms	Pellets
Additive	Impact Modifier
Filler/Reinforcement	Calcium Carbonate, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	17	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	24.1	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	1590	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	75	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	104	°C	ASTM D648



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Nozzle Temperature	171 to 216	°C
Processing (Melt) Temp	220 to 260	°C
Front Temperature	171 to 216	°C
Middle Temperature	171 to 210	°C
Rear Temperature	171 to 210	°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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