

Technical Data Sheet

Polyfort TPP20AO27NA-NANAT



Polypropylene, Unspecified (PP, Unspecified)

Product Description

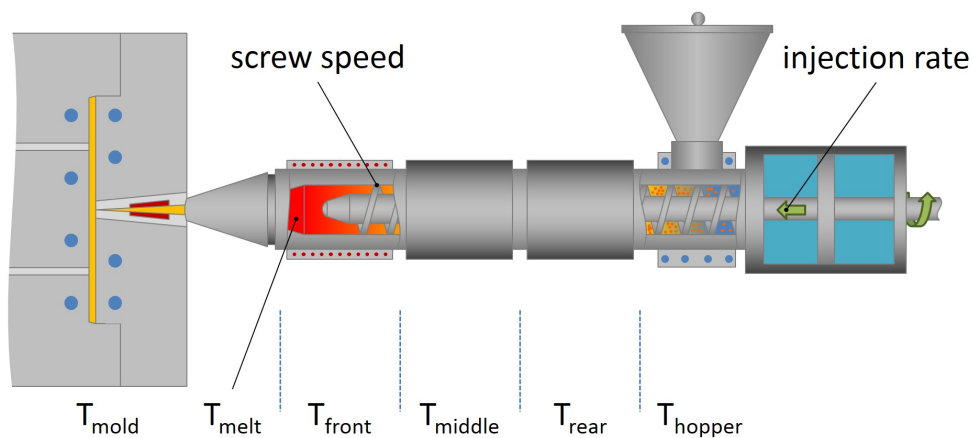
20% Talc Filled, Impact Modified, UV and Heat Stabilized Polypropylene, Natural

Regulatory Status

For regulatory compliance information, see TPP20AO27NA-NANAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Latin America; North America
Processing Method	Injection Molding
Attribute	Good Dimensional Stability; Good Impact Resistance; Impact Modified
Forms	Pellets
Appearance	Natural Color
Additive	Impact Modifier
Application	General Purpose
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133
Density	1.05	g/cm ³	ISO 1183
Mechanical			
Tensile Strength, (23 °C)	29.5	MPa	ASTM D638
Flexural Modulus, (Chord)	2690	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched	3.1	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	105	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	69	°C	ISO 75-2/A



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Clamp Tonnage	2.8 to 4.1	kN/cm ²
Nozzle Temperature	216 to 218	°C
Screw Speed	100 to 150	rpm
Processing (Melt) Temp	220 to 260	°C
Front Temperature	213 to 216	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	210 to 213	°C
Rear Temperature	204 to 210	°C
Back Pressure	0.138 to 0.345	MPa
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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