

Technical Data Sheet

Polyfort PPI MT20 U LE H2 NAT



Polypropylene Copolymer

Product Description

20% talc filled high impact and low emission PP-Copolymer with good UV-stability especially for automotive interior parts

Regulatory Status

For regulatory compliance information, see *Polyfort PPI MT20 U LE H2 NAT* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Attribute	High Impact Resistance; Low Emissions
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	7.0	cm ³ /10 min	ISO 1133
Density, (Method A)	1.05	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	27	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	35	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	70	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	57.0	°C	ISO 306
(A (10N), 50 °C/h)	134	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	107	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	52.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	40	mm/min	ISO 3795
(2.00 mm)	40	mm/min	FMVSS 302
UL Information			

Flammability Classification

(1.5 mm)

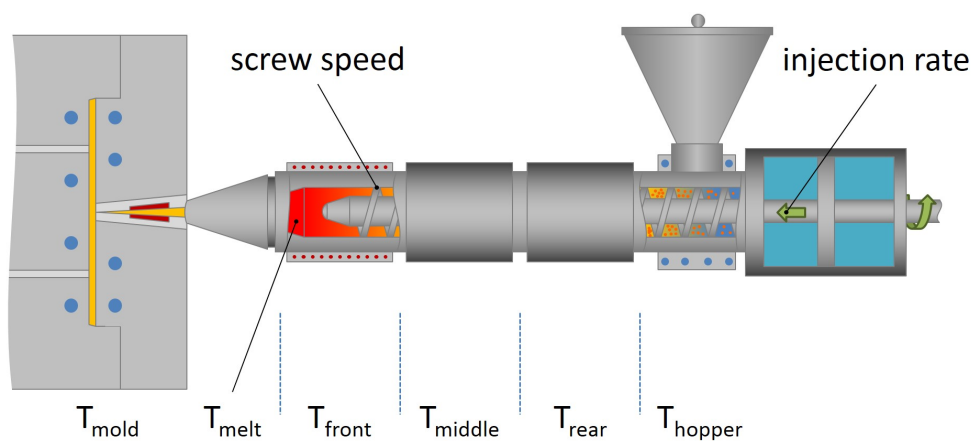
HB

IEC 60695-11-10, -
20

(3.0 mm)

HB

IEC 60695-11-10, -
20



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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