Technical Data Sheet

Polyfort PPI MGB 20 RD U NAT

Polypropylene Copolymer

Product Description

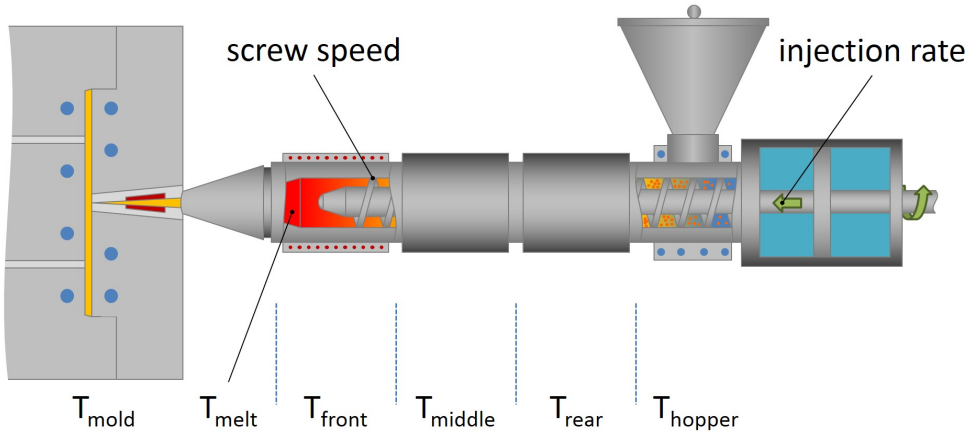
Hybrid filled PP-Copolymer with low density and UV-Stabilization

Regulatory Status

For regulatory compliance information, see *Polyfort* PPI MGB 20 RD U NAT Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Discontinued
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Filler/Reinforcement	Glass Bubble; Mineral

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	7.0	cm³/10 min	ISO 1133
Density, (Method A)	0.820	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	10.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	31	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Tensile Strain at Yield, (Type 1A, 50 mm/min)	1.2	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 50 mm/min)	8.00	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1300	MPa	ISO 527-1
Flexural Stress	17	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	17	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	1.8	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	54	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	124	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	69.0	°C	ISO 75-2/B
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
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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