Technical Data Sheet

Polyfort FIPPMKF4025K2311 BLKSN

Polypropylene Copolymer

Product Description

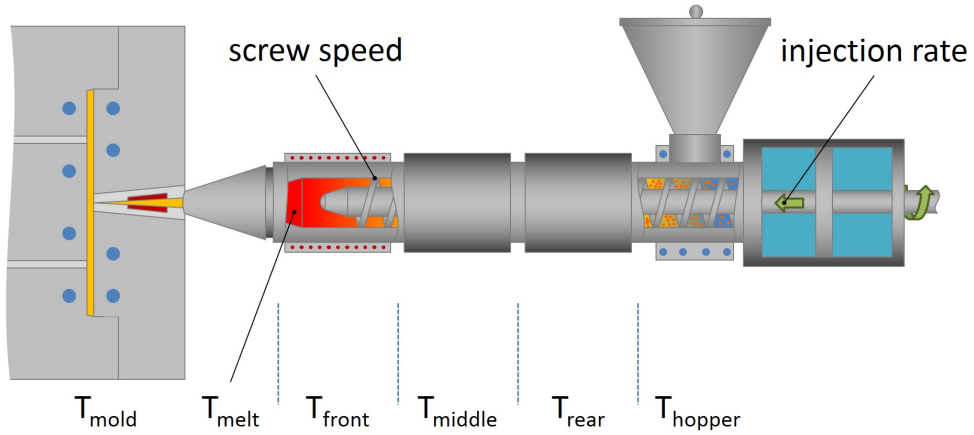
40% glass fibre and mineral reinforced / filled PP-Copolymer compound with reduced warpage

Regulatory Status

For regulatory compliance information, see *Polyfort* FIPPMKF4025K2311 BLKSN Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Injection Molding
Attribute	Heat Stabilized; High Strength; High Toughness; Low Warpage
Filler/Reinforcement	Glass Fiber\Mineral, 40%
Resin ID	PP-C 25%GF 15% MF

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	17	cm³/10 min	ISO 1133
Density, (Method A)	1.22	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	2.8	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	62.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	6500	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	8.0	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	6.0	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	29	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise)	27	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	90.0	MPa	ISO 2039-1
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	157	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	142	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	ISO 3795
(2.00 mm)	<100	mm/min	FMVSS 302



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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