Technical Data Sheet

Polyfort PPH GF30 U H3 BLK 73570

Polypropylene, Homopolymer

Product Description

30% glass fiber reinforced PP-Homopolymer chemically coupled, UV-stabilized

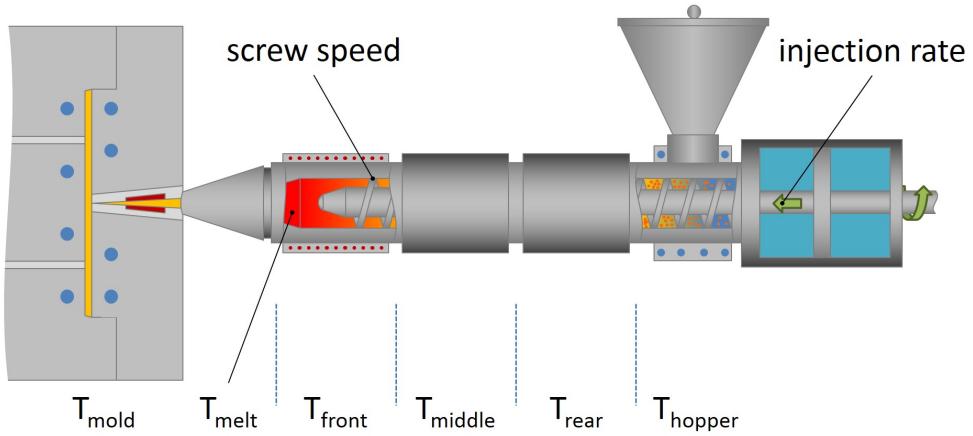
Regulatory Status

For regulatory compliance information, see *Polyfort* PPH GF30 U H3 BLK 73570 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
Attribute	Chemically Coupled; Homopolymer; UV Stabilized
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	11	cm³/10 min	ISO 1133
Density, (Method A)	1.13	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	3.1	%	ISO 527-2
Flexural Modulus, (2.0 mm/min)	6600	MPa	ISO 178
Tensile Stress at Break, (Type 1A, 5 mm/min)	85.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	6500	MPa	ISO 527-1
Flexural Stress, (2.0 mm/min, 3.5%)	134	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	10	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	50	kJ/m²	ISO 179
Hardness			
Ball Indentation Hardness, (H 358/30)	120	MPa	ISO 2039-1
Ball Pressure Test, (145 °C)	Pass		IEC 60695-10-2
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	153	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	143	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Flammable			
Burning Rate			
(2.00 mm)	60	mm/min	ISO 3795
(2.00 mm)	60	mm/min	FMVSS 302

Glow Wire Flammability Index			
(1.5 mm)	775	°C	IEC 60695-2-12
(3.0 mm)	775	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			
(1.5 mm)	800	°C	IEC 60695-2-13
(3.0 mm)	800	°C	IEC 60695-2-13
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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