

Technical Data Sheet



Network Polymers Pp PPH 30 2000 GF30

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	7100 psi	49.0 MPa	ASTM D638
Tensile Elongation ² (Yield)	3.0 %	3.0 %	ASTM D638
Flexural Modulus ³	620000 psi	4270 MPa	ASTM D790B
Flexural Strength	10500 psi	72.4 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	1.2 ft-lb/in	64 J/m	ASTM D256A
Gardner Impact ⁴ (23°F (-5°C))	4.00 in-lb	0.452 J	ASTM D3029
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm)	310 °F	154 °C	
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	290 °F	143 °C	
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	30 %	30 %	ASTM D2584

Notes

¹ Procedure A

² 2.0 in/min (51 mm/min)

³ Method I (3 point load)

⁴ 0.5 inch tup

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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