

Technical Data Sheet

Network Polymers Pp PPH 30 2000 GF30

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

General

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.