

Technical Data Sheet

Network Polymers Pp 30 0500 GF40

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight		
Features	• Chemically Coupled • Heat Stabilized		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 Kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ²			ASTM D638
Break, 73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	15300 psi	106 MPa	
Tensile Elongation ²			ASTM D638
Break, 73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	2.8 %	2.8 %	
Flexural Modulus - Tangent ³			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	1.16E+6 psi	7980 MPa	
Flexural Strength ³			ASTM D790
73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	21400 psi	148 MPa	

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 In (3.18 Mm), Injection Molded	1.9 ft·lb/in	100 J/m	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed, 0.125 In (3.18 Mm), Injection Molded	323 °F	162 °C	
Vicat Softening Temperature	293 °F	145 °C	ASTM D1525

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	40 %	40 %	ASTM D2584

Notes

¹ Procedure A

² Type I, 2.0 in/min (51 mm/min)

³ 0.050 in/min (1.3 mm/min)

Notes

These are typical property values not to be construed as specification limits.