

Technical Data Sheet

Gapex RPP30EA67HB NATURAL

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General

- | | |
|------------------------|---|
| Filler / Reinforcement | • Glass Fiber, 30% Filler by Weight |
| Features | • Chemically Coupled • Homopolymer |

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.12	1.12 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (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 (73°F (23°C))	11400 psi	78.6 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	5.0 %	5.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	766000 psi	5280 MPa	
Tangent : 73°F (23°C)	785000 psi	5410 MPa	
Flexural Strength (73°F (23°C))	17100 psi	118 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.4 ft·lb/in	75 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	8.5 ft·lb/in	450 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	2.00 in·lb	0.226 J	ASTM D5420

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	315 °F	157 °C	
264 Psi (1.8 Mpa), Unannealed	295 °F	146 °C	

Additional Information

	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	30 %	30 %	ASTM D2584

Notes

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