

Technical Data Sheet

Gapex RPP20EC32NA

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Chemically Coupled	• Heat Stabilized	• Homopolymer
Uses	• Automotive Applications		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.04 g/cm ³	1.04 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	12 g/10 min	12 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	10200 psi	70.5 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	4.0 %	4.0 %	ISO 527-2
Flexural Modulus (73°F (23°C))	479000 psi	3300 MPa	ISO 178
Flexural Stress (73°F (23°C))	11600 psi	80.3 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F (-40°C)	2.9 ft·lb/in ²	6.0 kJ/m ²	
73°F (23°C)	3.5 ft·lb/in ²	7.3 kJ/m ²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	311 °F	155 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	289 °F	143 °C	ISO 75-2/A

Additional Information
 The values listed as Molding Shrinkage, ISO 294-4, were tested in accordance with ISO 2577.
 Filler Content, ISO 3451: 20.0%
 Flammability, ISO 3795: 28 mm/min

Notes

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