

Technical Data Sheet



Gapex RPP20EC32NA

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• Latin America	• North America	
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.

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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