

Technical Data Sheet

# Gapex RPP05EU85NA

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 5.0% Filler by Weight
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.960	0.958 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	6000 psi	41.4 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	5.5 %	5.5 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	290000 psi	2000 MPa	
Tangent : 73°F (23°C)	301000 psi	2070 MPa	
Flexural Strength (73°F (23°C))	9100 psi	62.7 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.8 ft·lb/in	96 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	8.4 ft·lb/in	450 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	8.50 in·lb	0.960 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	300 °F	149 °C	
264 Psi (1.8 Mpa), Unannealed	225 °F	107 °C	

**Additional Information**  
Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted.

**Notes**

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