

Technical Data Sheet

# Gapex RPE40HW11NA

Polyethylene  
LyondellBasell Industries  
Engineering Plastics

**General**

- |                        |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 40% Filler by Weight |
| Forms                  | • Pellets                           |

**Physical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238

**Mechanical**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	6800 psi	46.9 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	687000 psi	4740 MPa	
Tangent : 73°F (23°C)	863000 psi	5950 MPa	
Flexural Strength (Yield, 73°F (23°C))	10000 psi	68.9 MPa	ASTM D790

**Impact**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.1 ft·lb/in	59 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	7.1 ft·lb/in	380 J/m	ASTM D4812

**Thermal**

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	280 °F	138 °C	
264 Psi (1.8 Mpa), Unannealed	245 °F	118 °C	

**Additional Information**

Filler Content, ASTM D2584: 40%

**Notes**

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