

Technical Data Sheet

**Polyflam RLDPE 1EA GRY 60205**

Polyethylene
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• Europe
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.970 g/cm ³	0.970 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.0 cm ³ /10min	3.0 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	17400 psi	120 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	1740 psi	12.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	73 %	73 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F (-30°C)	1.4 ft·lb/in ²	3.0 kJ/m ²	
73°F (23°C)	29 ft·lb/in ²	60 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-22°F (-30°C)	No Break	No Break	
73°F (23°C)	No Break	No Break	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	115 °F	46.0 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	91.4 °F	33.0 °C	ISO 75-2/Af
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in (1.5 mm)	1470 °F	800 °C	

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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