

Technical Data Sheet

Polyflam RLDPE 1EA GRY 60205

Polyethylene
LyondellBasell Industries
Engineering Plastics

General

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

Notes

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