

Technical Data Sheet

Polyflam RLDPE 1EA GRY60205



Polyethylene, Unspecified

Product Description

Polyflam RLDPE 1EA GRY 60205 is a Polyethylene, Unspecified material and is typically used in Injection Molding applications.

Regulatory Status

For regulatory compliance information, see Polyflam RLDPE 1EA GRY60205 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status Commercial: Active

Availability Europe

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	3.0	cm ³ /10 min	ISO 1133
Density, (Method A)	0.970	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	12.0	MPa	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	73	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	120	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C)	60	kJ/m ²	ISO 179
(-30 °C)	3.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(-30 °C)	No Break		ISO 179
(23 °C)	No Break		ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	46.0	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	33.0	°C	ISO 75-2/A
Flammable			
Glow Wire Flammability Index, (1.5 mm)	800	°C	IEC 60695-2-12

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.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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