

Technical Data Sheet

Icorene 9104 GW1 Natural 0000

Linear Low Density Polyethylene

LyondellBasell Industries

Rotomolding

Product Description

ICORENE® 9104 GW1 Natural 0000 is a linear low density polyethylene specifically developed for use in complex rotational moulding applications.

This grade has a good balance of properties such as toughness, easy flow, stiffness and a glow wire (GW) flammability index of 750°C for 3mm thickness.

General			
Features	- Glow in the Dark - Good Flow	- Good Toughness - High Stiffness	UV Resistant
Uses	General Purpose		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	> 0.935 g/cm³	> 0.935 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	6.0 g/10 min	6.0 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2610 psi	18.0 MPa	ASTM D638
Tensile Elongation (Break)	> 800 %	> 800 %	ASTM D638
Flexural Modulus	102000 psi	700 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	4.27 in·lb/mil	190 J/cm	Internal Method
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature	253 °F	123 °C	ISO 11357
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
0.12 In (3.0 Mm)	1380 °F	750 °C	

Notes

¹ Based on ISO 6603

Notes

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