

Technical Data Sheet



Icorene N2308

Linear Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2308 is a linear low density polyethylene produced by slurry loop low pressure process with hexene as co-monomer.

This grade contains antioxidant stabilizers and has excellent mechanical properties and can be used alone, or blended or co-extruded in a wide variety of blown film applications.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Antioxidant • Good Processability
Uses	• Blown Film • Cast Film • Masterbatch
Forms	• Powder

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.934 g/cm ³	0.934 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.15 g/10 min	0.15 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress ¹			ISO 527-3
Yield, 7.87E-4 in (0.0200 mm)	2760 psi	19.0 MPa	
Break, 7.87E-4 in (0.0200 mm)	7540 psi	52.0 MPa	
Tensile Strain ¹			ISO 527-3
Break, 7.87E-4 in (0.0200 mm)	500 %	500 %	
Flexural Modulus ²	89900 psi	620 MPa	ISO 178
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	244 °F	118 °C	ISO 306 ³
Peak Melting Temperature	257 °F	125 °C	ISO 11357-1, -2, -3

Notes

¹ Obtained on cast film

² 0.25% Max

³ Rate A (50°C/h), Loading 1 (10 N)

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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