

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

Features	• Antioxidant	• Good Processability
Uses	• Blown Film	• Cast Film • Masterbatch
Agency Ratings	• EU Food Contact	• FDA Food Contact
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.