

Technical Data Sheet

**Icorene N2301**

Linear Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2301 is a premium linear low density polyethylene which offers excellent stiffness and good environmental stress crack resistance.

This grade is mainly used for masterbatch applications.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Heat Stabilizer		
Features	• Good Stiffness	• Heat Stabilized	• High ESCR (Stress Crack Resist.)
Uses	• Masterbatch		
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.924 g/cm ³	0.924 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 122°F (50°C), 10% Igepal	30.0 hr	30.0 hr	ASTM D1693
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	1740 psi	12.0 MPa	ASTM D638
Tensile Elongation (Break)	150 %	150 %	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	55	55	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	201 °F	94.0 °C	ASTM D1525
Peak Melting Temperature	253 °F	123 °C	ASTM D3418

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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