

Technical Data Sheet

**Icorene 2900**

Linear Low Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 2900 is a linear low density polyethylene powder specifically developed for rotational moulding.

This grade is particularly suitable for use in applications requiring a very flexible material.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• UV Stabilizer		
Features	• Good Flexibility	• Good Toughness	• UV Resistant
Uses	• Flotation Devices	• Furniture	• Outdoor Furnishings
Appearance	• Natural Color	• Unspecified Color	
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5 g/10 min	7.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield	725 psi	5.00 MPa	
Break	1380 psi	9.50 MPa	
Tensile Elongation			ASTM D638
Yield	150 %	150 %	
Break	1600 %	1600 %	
Flexural Modulus	18900 psi	130 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	3.37 in·lb/mil	150 J/cm	Internal Method

Notes

¹ Based on ISO 6603

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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