

Technical Data Sheet

Icorene 2910

Ethylene-based Plastomer
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 2910 is an ethylene based octene plastomer powder specifically developed for rotational moulding.

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

General

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.882 g/cm ³	0.882 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10 g/10 min	10 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)	> 1000 hr	> 1000 hr	ASTM D1693B
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	1890 psi	13.0 MPa	ISO 527-2
Tensile Elongation (Break)	> 1000 %	> 1000 %	ISO 527-2
Flexural Modulus	5800 psi	40.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	4.05 in-lb/mil	180 J/cm	Internal Method
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness			ISO 868
Shore A	84	84	
Shore D	23	23	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	115 °F	46.0 °C	ISO 306/A
Melting Temperature	167 °F	75.0 °C	ISO 11357-3

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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