

Technical Data Sheet**Icorene 9402**

Thermoplastic Elastomer
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 9402 is a thermoplastic elastomer specifically developed for rotational moulding in collaboration with API Spa.

This grade offers optimum cold and hot elasticity with UV resistance. It has an excellent appearance with excellent soft touch properties. ICORENE® 9402 is a tough material which will not break @ -40°C impact strength.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• UV Stabilizer		
Features	• High Elasticity	• Soft	• UV Resistant
Uses	• Furniture	• Outdoor Furnishings	
	• High Temperature Applications	• Soft Touch Applications	
Appearance	• Natural Color	• Unspecified Color	
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.890 g/cm ³	0.890 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/2.16 kg)	30 g/10 min	30 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	> 1160 psi	> 8.00 MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	30 %	30 %	
Break	> 2000 %	> 2000 %	
Flexural Modulus	14500 psi	100 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	74	74	ASTM D2240

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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