

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

Additive	• UV Stabilizer		
Features	• High Elasticity	• Soft	• UV Resistant
Uses	• Furniture • High Temperature Applications	• Outdoor Furnishings • 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.