

Technical Data Sheet

Icorene 3150

Linear Low Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 3150 is a linear low density polyethylene specifically developed for rotational moulding.

This grade is a very fast processing material suitable for use in many different applications. It has a good balance of properties such as toughness, easy flow and stiffness.

General			
Additive	• UV Stabilizer		
Features	• Fast Molding Cycle • Good Flow	• Good Moldability • Good Stiffness	• Good Toughness • UV Resistant
Uses	• Toys		
Appearance	• Natural Color	• Unspecified Color	
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.935 g/cm³	0.935 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	13 g/10 min	13 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2320 psi	16.0 MPa	ASTM D638
Tensile Elongation (Break)	210 %	210 %	ASTM D638
Flexural Modulus	79800 psi	550 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	4.50 in·lb/mil	200 J/cm	Internal Method
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	54	54	ASTM D2240

Notes

¹ Based on ISO 6603

Notes

These are typical property values not to be construed as specification limits.