

## Technical Data Sheet

### Icorene 2551

Linear Low Density Polyethylene  
LyondellBasell Industries  
Rotomolding

#### Product Description

ICORENE® 2551 is a linear low density polyethylene powder specifically developed for rotational moulding.

This grade has been designed for applications requiring good processability, toughness and flexibility and is suitable in many different applications.

#### General

Additive	• UV Stabilizer		
Features	• Good Flexibility • Good Processability	• 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	0.925 g/cm³	0.925 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	1600 psi	11.0 MPa	ASTM D638
Flexural Modulus	47900 psi	330 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance <sup>1</sup> (-4°F (-20°C))	4.05 in·lb/mil	180 J/cm	Internal Method
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness	50	50	ASTM D2240

#### Notes

<sup>1</sup> Based on ISO 6603

#### Notes

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