Technical Data Sheet

Icorene 2550 NAT 0000

Linear Low Density Polyethylene

Product Description

Icorene 2550 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.

Regulatory Status

For regulatory compliance information, see *Icorene* 2550 NAT 0000 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Rotomolding
Attribute	Good Flexibility; Good Processability; Good Toughness; UV Resistant
Forms	Powder
Appearance	Natural Color; Unspecified Color
Additive	UV Stabilizer
Application	Flotation Devices; Furniture; Outdoor Furnishings

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	3.6	g/10 min	ASTM D1238
Density	0.924	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	16	MPa	ASTM D638
Tensile Strength at Break	11	MPa	ASTM D638
Flexural Modulus	440	MPa	ASTM D790
Tensile Elongation at Break	>1000	%	ASTM D638
Impact			
Drop Impact Resistance, (-20 °C, Internal Method)	200	J/cm	ASTM D4226
Hardness			
Durometer Hardness, (Shore D)	52		ASTM D2240

Manufacturer website: https://www.lyondellbasell.com/en/

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.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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