

Technical Data Sheet

Icorene 2900 NAT 0000

Linear Low Density Polyethylene

Product Description

Icorene 2900 is a linear low density polyethylene powder specifically developed for rotational moulding. This grade is particularly suitable for use in applications requiring a very flexible material.

Processing Method	Rotomolding
Attribute	Good Flexibility; 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)	7.5	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Tensile Elongation at Yield	150	%	ASTM D638
Tensile Strength at Yield	5	MPa	ASTM D638
Tensile Strength at Break	9.5	MPa	ASTM D638
Flexural Modulus	130	MPa	ASTM D790
Tensile Elongation at Break	1600	%	ASTM D638
Impact			
Drop Impact Resistance, (-20 °C, Internal Method)	150	J/cm	ASTM D4226