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## Technical Data Sheet

### *Icorene* 2900 UV+ GRY 7853



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.

<b>Processing Method</b>	Rotomolding
<b>Attribute</b>	Good Flexibility; Good Toughness; UV Resistant
<b>Forms</b>	Powder
<b>Appearance</b>	Natural Color; Unspecified Color
<b>Additive</b>	UV Stabilizer
<b>Application</b>	Flotation Devices; Furniture; Outdoor Furnishings

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	7.5	g/10 min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
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
<b>Impact</b>			
Drop Impact Resistance, (-20 °C, Internal Method)	150	J/cm	ASTM D4226