

## 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.

<b>Processing Method</b>	Rotomolding
<b>Attribute</b>	Good Flexibility; Good Processability; 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)	3.6	g/10 min	ASTM D1238
Density	0.924	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
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
<b>Impact</b>			
Drop Impact Resistance, (-20 °C, Internal Method)	200	J/cm	ASTM D4226
<b>Hardness</b>			
Durometer Hardness, (Shore D)	52		ASTM D2240