

## Technical Data Sheet

### *Icorene* 2550 RED 4706



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.

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
<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