

## Technical Data Sheet

### *Icorene* 1877 NAT 0000



Polyethylene, Linear Medium Density

#### Product Description

*Icorene* 1877 is a linear medium density polyethylene powder specifically developed for rotational moulding. This grade is suitable for use in general purpose applications. It has a good balance of properties such as toughness and stiffness.

<b>Processing Method</b>	Rotomolding
<b>Attribute</b>	Good Stiffness/Impact Balance; UV Resistant
<b>Forms</b>	Powder
<b>Appearance</b>	Natural Color; Unspecified Color
<b>Additive</b>	UV Stabilizer
<b>Application</b>	Containers; General Purpose; Tanks

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	4.2	g/10 min	ASTM D1238
Density	0.936	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Yield	17	MPa	ASTM D638
Flexural Modulus	550	MPa	ASTM D790
<b>Impact</b>			
Drop Impact Resistance, (-20 °C, Internal Method)	170	J/cm	ASTM D4226