

Technical Data Sheet

lcorene 1877 NAT 0000

Polyethylene, Linear Medium Density

Product Description

lcorene 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.

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

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