

Technical Data Sheet

lcorene 3575 NAT0000

Linear Low Density Polyethylene

Product Description

lcorene 3575 is a hexene linear low density polyethylene with outstanding processability, 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, easy flow and stiffness. *lcorene* 3575 is WRAS approved: 1612553

Processing Method	Rotomolding
Attribute	Good Processability; Good Stiffness; Good Toughness; High Flow; UV Resistant
Forms	Powder
Appearance	Natural Color; Unspecified Color
Additive	UV Stabilizer
Application	Containers; General Purpose

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	7.0	g/10 min	ASTM D1238
Density	0.935	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	17.0	MPa	ISO 527
Flexural Modulus	650	MPa	ISO 178
Tensile Elongation at Break	>450	%	ASTM D638
Impact			
Drop Impact Resistance, (-20 °C, Internal Method)	170	J/cm	ASTM D4226
Hardness			
Durometer Hardness, (Shore D)	55		ASTM D2240
Thermal			
Vicat Softening Temperature	115	°C	ISO 306
Melting Temperature	127	°C	DSC