

Technical Data Sheet

Icorene 1041 NAT 0000



Linear Low Density Polyethylene

Product Description

Icorene 1041 is a linear low density polyethylene 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.

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	4.4	g/10 min	ASTM D1238
Density	0.932	g/cm ³	ASTM D1505
Mechanical			
Tensile Elongation at Yield	28	%	ASTM D638
Tensile Strength at Yield	17	MPa	ASTM D638
Tensile Strength at Break	20	MPa	ASTM D638
Flexural Modulus	490	MPa	ASTM D790
Tensile Elongation at Break	1300	%	ASTM D638
Impact			
Drop Impact Resistance			
(-20 °C, Internal Method)	180	J/cm	ASTM D4226
(23 °C, Internal Method)	140	J/cm	ASTM D4226
(-40 °C, Internal Method)	190	J/cm	ASTM D4226