

Technical Data Sheet

Icorene 3590 YEW 2537



Linear Low Density Polyethylene

Product Description

Icorene 3590 is a linear low density polyethylene specifically developed for rotational moulding. *Icorene* 3590 is a very fast processing material suitable for use in many different applications. It has a good balance of properties such as toughness, easy flow and stiffness.

Processing Method	Rotomolding
Attribute	Good Flow; Good Moldability; Good Processability; Good Stiffness; Good Toughness; UV Resistant
Forms	Powder
Appearance	Yellow
Additive	UV Stabilizer
Application	General Purpose

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	9.0	g/10 min	ASTM D1238
Density	0.935	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)	160	J/cm	ASTM D4226
Hardness			
Durometer Hardness, (Shore D)	56		ASTM D2240