

Technical Data Sheet

Icorene 3590 MP3 NAT 0000



Linear Low Density Polyethylene

Product Description

Icorene 3590 MP3 is a linear low density polyethylene grade specifically developed for rotational moulding. The grade is suitable for use in general purpose applications and has a good balance of properties such as toughness, easy flow and stiffness. This grade is supplied in micro-pellet form for super-fast dry flow characteristics.

Processing Method	Rotomolding
Attribute	Good Moldability; Good Processability; Good Stiffness; Good Toughness; High Flow; UV Resistant
Forms	Microgranules
Appearance	Natural Color
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
Environmental Stress Crack Resistance, (100% Igepal, 50 °C)	>150	hr	ASTM D1693
Flexural Modulus	550	MPa	ASTM D790
Impact			
Drop Impact Resistance, (-20 °C, Internal Method)	160	J/cm	ASTM D4226
Hardness			
Durometer Hardness, (Shore D)	53		ISO 868