

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.

Regulatory Status

For regulatory compliance information, see *Icorene* 3590 MP3 NAT 0000 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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