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.

Regulatory Status

For regulatory compliance information, see *Icorene* 3590 YEW 2537 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Discontinued
Availability	Europe
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/cm³	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

Manufacturer website: https://www.lyondellbasell.com/en/

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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