Technical Data Sheet

Icorene 1041 ORE 3907

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.

Icorene 1041 is not intended for use in medical and pharmaceutical applications.

Regulatory Status

For regulatory compliance information, see *Icorene* 1041 ORE 3907 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Rotomolding
Attribute	Good Flow; Good Processability; Good Stiffness; Good Toughness; UV Resistant
Forms	Powder
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/cm³	ASTM D1505
Mechanical			
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 Yield	28	%	ASTM D638
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

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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