Technical Data Sheet

Icorene 1869 NAT 0000

Linear Low Density Polyethylene

Product Description

Icorene 1869 is a self adhesive linear low density polyethylene powder specifically developed for rotational lining.This grade has been designed using a high performance additive package formulated to provide good bonding to metal surfaces during processing. *Icorene* 1869 is particularly suitable for bonding to steel surfaces.We recommend the use of a specific metal preparation process to ensure consistent and effective metal-to-polymer bonding.For processing advice please consult our process guide.

Regulatory Status

For regulatory compliance information, see *Icorene* 1869 NAT 0000 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Roto Lining; Rotomolding
Attribute	Bondability; Good Corrosion Resistance
Forms	Powder
Appearance	Natural Color
Additive	Antioxidant
Application	Adhesives

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	3.5	g/10 min	ISO 1133
Density, (23 °C)	0.927	g/cm³	ISO 1183
Mechanical			
Flexural Modulus, (3.00 mm, 23 °C)	465	MPa	ISO 178
Tensile Stress at Yield, (3.00 mm, Rotational Molded)	15.0	MPa	ISO 527-2
Environmental Stress Crack Resistance, (Condition B, Rotational Molded, F50, 10% Antarox, 50 °C)	>1000	hr	ASTM D1693
Hardness			
Shore Hardness, (Shore D)	52		ISO 868
Thermal			
Melting Temperature	121	°C	DSC

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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