Technical Data Sheet

Icorene N2100-2000 NAT

Low Density Polyethylene

Product Description

Icorene N2100 is a low density polyethylene resin designed for the production of medium/high voltage power cable insulation, blown film extrusion.This grade is characterized by a good balance between processability, mechanical and optical properties.

Regulatory Status

For regulatory compliance information, see *Icorene* N2100-2000 NAT Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Attribute	Good Optical Properties; Good Processability
Forms	Powder
Application	Blown Film

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	2.0	g/10 min	ASTM D1238
Density	0.923	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	10	MPa	ASTM D638
Flexural Modulus	200	MPa	ASTM D790
Tensile Elongation at Break	650	%	ASTM D638
Hardness			
Durometer Hardness, (Shore D)	46		ASTM D2240
Thermal			
Vicat Softening Temperature	90	°C	ASTM D1525
Peak Melting Temperature	110	°C	ASTM D3418

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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