Technical Data Sheet

Icorene N2301-800 NAT0000XX

Linear Low Density Polyethylene

Product Description

Icorene N2301 is a premium linear low density polyethylene which offers excellent stiffness and good environmental stress crack resistance.This grade is mainly used for masterbatch applications.

Regulatory Status

For regulatory compliance information, see *Icorene* N2301-800 NAT0000XX Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Attribute	Good Stiffness; Heat Stabilized; High ESCR (Environmental Stress Cracking Resistance)
Forms	Powder
Additive	Heat Stabilizer
Application	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density	0.924	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	12	MPa	ASTM D638
Environmental Stress Crack Resistance, (10% Igepal, 50 °C)	30.0	hr	ASTM D1693
Tensile Elongation at Break	150	%	ASTM D638
Hardness			
Durometer Hardness, (Shore D)	55		ASTM D2240
Thermal			
Vicat Softening Temperature	94	°C	ASTM D1525
Peak Melting Temperature	123	°C	ASTM D3418

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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