Technical Data Sheet

Icorene N2105-400 NAT

Low Density Polyethylene

Product Description

Icorene N2105 is a low density polyethylene resin suitable for general purposes. It is characterized by good toughness and flexibility.This grade is succesfully used for compound and masterbatch applications due to its excellent fluidity.

Regulatory Status

For regulatory compliance information, see *Icorene* N2105-400 NAT Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Compounding
Attribute	Good Flexibility; Good Flow; Good Toughness
Forms	Powder
Application	General Purpose; Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	21	g/10 min	ASTM D1238
Density	0.917	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	10	MPa	ASTM D638
Tensile Elongation at Break	120	%	ASTM D638
Hardness			
Durometer Hardness, (Shore D)	44		ASTM D2240
Thermal			
Vicat Softening Temperature	82	°C	ASTM D1525
Peak Melting Temperature	106	°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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