

Technical Data Sheet

# Icorene N2100

Low Density Polyethylene  
LyondellBasell Industries  
Custom Powders

## 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.

## General

Features	• Good Optical Properties	• Good Processability
Uses	• Blown Film	• Medium Voltage Insulation
Agency Ratings	• EU Food Contact	• FDA Food Contact
Forms	• Powder	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.923 g/cm <sup>3</sup>	0.923 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	1450 psi	10.0 MPa	ASTM D638
Tensile Elongation (Break)	650 %	650 %	ASTM D638
Flexural Modulus	29000 psi	200 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	46	46	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	194 °F	90.0 °C	ASTM D1525
Peak Melting Temperature	230 °F	110 °C	ASTM D3418

## Notes

These are typical property values not to be construed as specification limits.