

Technical Data Sheet

Icorene N2103

Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2103 is a low density polyethylene resin suitable for general purposes.

This grade is characterized by good toughness, stiffness and processability. It is successfully used for domestic houseware or food containers.

General

Features	- General Purpose - Good Processability	- Good Stiffness - Good Toughness
Uses	Food Containers	
Agency Ratings	EU Food Contact	FDA Food Contact
Forms	Powder	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.924 g/cm ³	0.924 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	6.5 g/10 min	6.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	1450 psi	10.0 MPa	ASTM D638
Tensile Elongation (Break)	120 %	120 %	ASTM D638
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	199 °F	93.0 °C	ASTM D1525
Peak Melting Temperature	232 °F	111 °C	ASTM D3418

Notes

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