

Technical Data Sheet

Icorene N2102

Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2102 is a low density polyethylene resin designed for injection moulding, compound and masterbatch applications.

This grade is characterized by good toughness, stiffness and processability.

General

Features	• General Purpose • Good Processability	• Good Stiffness • Good Toughness
Uses	• Compounding	• Masterbatch
Agency Ratings	• EU Food Contact	• FDA Food Contact
Forms	• Powder	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.919 g/cm ³	0.919 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	7.5 g/10 min	7.5 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)	500 %	500 %	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	189 °F	87.0 °C	ASTM D1525
Peak Melting Temperature	223 °F	106 °C	ASTM D3418

Notes

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