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/cm³	0.919 g/cm³	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.