

ICORENE® N2802

High Density Polyethylene
Custom Powders

Product Description

ICORENE® N2802 is a premium HDPE powder with an outstanding UV resistance.

This grade is recommended for pressure pipe systems in the application fields of natural gas, pressure sewerage.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• UV Resistant
Uses	• Natural Gas Distribution • Piping
Agency Ratings	• EU Food Contact, Unspecified Rating
Appearance	• Black
Forms	• Powder

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.959 g/cm³	0.959 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25 g/10 min	0.25 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3630 psi	25.0 MPa	ASTM D638
Tensile Elongation (Break)	> 600 %	> 600 %	ASTM D638
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	257 °F	125 °C	ASTM D1525

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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