

Technical Data Sheet

**Icorene N2809**

High Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2809 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	• Good Stability	• UV Resistant	
Uses	• Natural Gas Distribution	• Piping	• Plumbing Parts
Appearance	• Black		
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.959 g/cm ³	0.959 g/cm ³	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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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