

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

Features	• Good Stability	• UV Resistant	
Uses	• Natural Gas Distribution	• Piping	• Plumbing Parts
Agency Ratings	• EU Food Contact		
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.