Technical Data Sheet

Icorene N2808

High Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2808 is a gas phase homopolymer HDPE and offers high stiffness, high temperature resistance (antioxidant stabilizers), low water vapour transmission and relatively high grease resistance.

This grade has a low gel level. It's typically used for masterbatch applications related to food packaging, release paper and photographic paper.

General

Features	• Good Processability • Good Stability	• High Heat Resistance • High Stiffness	• Low Gel
Uses	• Automotive Interior Trim • Carpet Backing	• Food Packaging • Masterbatch	• Release Paper
Agency Ratings	• EU Food Contact	• FDA Food Contact	
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.963 g/cm³	0.963 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°c/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Films	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength			ISO 527-3
MD : Yield	3770 psi	26.0 MPa	
TD : Yield	3480 psi	24.0 MPa	
MD : Break	3190 psi	22.0 MPa	
TD : Break	2610 psi	18.0 MPa	
Tensile Elongation			ISO 527-3
MD : Break	700 %	700 %	
TD : Break	800 %	800 %	
Flexural Modulus			ISO 527-3
MD	84100 psi	580 MPa	
TD	84100 psi	580 MPa	
Oxygen Permeability (73°f (23°c))	0.25 cm³·mil/100in²/atm/24 hr	0.10 cm³·mm/m²/atm/24 hr	Internal Method
Water Vapor Transmission [1]	0.26 g/100 in²/24 hr	4.0 g/m²/24 hr	Internal Method
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Peak Melting Temperature	273 °F	134 °C	DIN 53765

Notes

[1] 38°C at 100% RH

Notes

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