

# ICORENE® N2808

High Density Polyethylene

ICO Polymers EMEA, A Division of A. Schulman

## Message:

ICORENE® N2808 is a gas phase homopolymer HDPE.

This grade offers high stiffness, high temperature resistance (antioxidant stabilizers), low water vapour transmission and relatively high grease resistance.

ICORENE® N2808 has a low gel level. It's typically used for masterbatch applications related to food packaging, release paper and photographic paper.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stability		
	High Heat Resistance		
	High Stiffness		
	Low Gel		
Uses	Automotive Interior Trim		
	Carpet Backing		
	Masterbatch		
Agency Ratings	EU Unspecified Rating		
	FDA Unspecified Rating		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ISO 527-3
MD : Yield	26.0	MPa	
TD : Yield	24.0	MPa	
MD : Break	22.0	MPa	
TD : Break	18.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	700	%	
TD : Break	800	%	
Flexural Modulus			ISO 527-3
MD	580	MPa	
TD	580	MPa	
Oxygen Permeability (23°C)	0.10	cm <sup>3</sup> ·mm/m <sup>2</sup> /atm/24 hr	Internal Method

Water Vapor Transmission <sup>1</sup>	4.0	g/m <sup>2</sup> /24 hr	Internal Method
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	134	°C	DIN 53765
NOTE			
1.	38°C at 100% RH		

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#### Recommended distributors for this material

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