Technical Data Sheet

Icorene N2808-1000 NAT

High Density Polyethylene

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. Its typically used for masterbatch applications related to food packaging, release paper and photographic paper.

Regulatory Status

For regulatory compliance information, see *Icorene* N2808-1000 NAT Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Attribute	Good Processability; Good Stability; High Heat Resistance; High Stiffness; Low Gel
Forms	Powder
Application	Automotive Interior Trim; Carpet Backing; Food Packaging; Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density	0.963	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield MD	26.0	MPa	ISO 527-3
Tensile Strength at Yield TD	24.0	MPa	ISO 527-3
Tensile Strength at Break MD	22.0	MPa	ISO 527-3
Tensile Strength at Break TD	18.0	MPa	ISO 527-3
Flexural Modulus MD	580	MPa	ISO 527-3
Flexural Modulus TD	580	MPa	ISO 527-3
Tensile Elongation at Break MD	700	%	ISO 527-3
Tensile Elongation at Break TD	800	%	ISO 527-3
Film			
Water Vapor Transmission Rate, (Internal Method)	4.0	g/m²/24 hr	ASTM E96
Oxygen Permeability, (23 °C, Internal Method)	0.10	cm³·mm/m²/atm/24 hr	ASTM D3985
Thermal			
Peak Melting Temperature, (DIN 53765)	134	°C	ASTM D3418

Manufacturer website: https://www.lyondellbasell.com/en/

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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