Technical Data Sheet

Icorene N2805-500 NAT0000XX

High Density Polyethylene

Product Description

Icorene N2805 is a premium HDPE powder with a good balance between the processability and mechanical properties.This grade has high gloss and high dimensional stability and is suitable for use in masterbatch or carpetbacking applications.

Regulatory Status

For regulatory compliance information, see *Icorene* N2805-500 NAT0000XX Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Attribute	Food Contact Acceptable; Good Dimensional Stability; Good Processability; High Gloss
Forms	Powder
Application	Automotive Interior Trim; Carpet Backing; Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density	0.954	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	23	MPa	ASTM D638
Flexural Modulus	850	MPa	ASTM D790
Tensile Elongation at Break	>100	%	ASTM D638
Hardness			
Durometer Hardness, (Shore D)	65		ASTM D2240
Thermal			
Vicat Softening Temperature	127	°C	ASTM D1525
Peak Melting Temperature	133	°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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