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## Technical Data Sheet

### *Icorene* N2805-1000 NAT



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.

<b>Attribute</b>	Food Contact Acceptable; Good Dimensional Stability; Good Processability; High Gloss
<b>Forms</b>	Powder
<b>Application</b>	Automotive Interior Trim; Carpet Backing; Masterbatch

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density	0.954	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Yield	23	MPa	ASTM D638
Flexural Modulus	850	MPa	ASTM D790
Tensile Elongation at Break	>100	%	ASTM D638
<b>Hardness</b>			
Durometer Hardness, (Shore D)	65		ASTM D2240
<b>Thermal</b>			
Vicat Softening Temperature	127	°C	ASTM D1525
Peak Melting Temperature	133	°C	ASTM D3418

## 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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