

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.

| | |
|--------------------|--------------------------------------------------------------------------------------|
| 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/cm ³ | 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 |

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/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.