

Technical Data Sheet

Petrothene LT606932



High Density Polyethylene

Product Description

Petrothene LT606932 is a high density polyethylene sheet extrusion grade selected by customers because of its excellent extrusion characteristics and low warpage. The resulting sheet exhibits good stiffness and impact properties. Typical applications include cutting boards, architectural panels and thin sheet packaging.

Regulatory Status

For regulatory compliance information, see *Petrothene* LT606932 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

| | |
|--------------------------|-------------------------------------------------------|
| Status | Commercial: Active |
| Availability | North America |
| Application | General Sheet Extrusion; Housewares; Structural Parts |
| Market | Rigid Packaging |
| Processing Method | Sheet and Profile Extrusion |
| Attribute | Good Color Stability; Good Processability |

| Typical Properties | Nominal Value | English Units | Nominal Value | SI Units | Test Method |
|---------------------------------------------------------|---------------|-----------------------|---------------|-------------------|-------------|
| Physical | | | | | |
| Melt Flow Rate, (190 °C/2.16 kg) | 0.70 | g/10 min | 0.70 | g/10 min | ASTM D1238 |
| Density, (23 °C) | 0.960 | g/cm ³ | 0.960 | g/cm ³ | ASTM D1505 |
| Mechanical | | | | | |
| Flexural Modulus, (1% Secant) | 228000 | psi | 1570 | MPa | ASTM D790 |
| Tensile Strength at Yield | 4410 | psi | 30.4 | MPa | ASTM D638 |
| Tensile Elongation at Break | 1200 | % | 1200 | % | ASTM D638 |
| Impact | | | | | |
| Tensile Impact Strength | 75 | ft-lb/in ² | 158 | kJ/m ² | ASTM D1822 |
| Thermal | | | | | |
| Vicat Softening Point | 261 | °F | 127 | °C | ASTM D1525 |
| Low Temperature Brittleness, F ₅₀ | <-105 | °F | <-76 | °C | ASTM D746 |
| Deflection Temperature Under Load, (66 psi, Unannealed) | 163 | °F | 73 | °C | ASTM D648 |

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.