

Trademark PE LLD5025

High Density Polyethylene
Trademark Plastics Corporation

Message:

Trademark PE LLD5025 is a High Density Polyethylene product. It can be processed by injection molding and is available in North America. Applications of Trademark PE LLD5025 include caps/lids/closures, additive/masterbatch, food contact applications and household applications.

Characteristics include:

- Food Contact Acceptable
- Good Processability
- Good Tear Strength
- Good Toughness

| General Information | | | |
|--|-------------------------|-------------------|-------------|
| Features | Food Contact Acceptable | | |
| | Good Processability | | |
| | Good Tear Strength | | |
| | Good Toughness | | |
| Uses | Caps | | |
| | Closures | | |
| | Household Goods | | |
| | Lids | | |
| | Masterbatch | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.925 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 50 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D, Injection Molded) | 51 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus - 1% Secant (Injection Molded) | 269 | MPa | ASTM D638 |
| Tensile Strength (Yield, Injection Molded) | 11.3 | MPa | ASTM D638 |
| Tensile Elongation (Break, Injection Molded) | 95 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -76.1 | °C | ASTM D746 |
| Vicat Softening Temperature | 91.7 | °C | ASTM D1525 |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

