

Marlex® HHM 5502BN

High Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® HHM 5502BN is a High Density Polyethylene material. It is available in Europe, Latin America, or North America for blow molding or compression molding.

Important attributes of Marlex® HHM 5502BN are:

- Eco-Friendly/Green
- Good Processability
- Good Stiffness
- Hexene Comonomer
- High Molecular Weight
- Typical applications include:
 - Medical/Healthcare
 - Automotive
 - Containers
 - Food Contact Applications
 - Household Applications

| General Information | | | |
|---|-------------------------------|-------------------|-------------|
| Features | Durable | | |
| | Good Processability | | |
| | Good Stiffness | | |
| | Hexene Comonomer | | |
| | High Molecular Weight | | |
| | Recyclable Material | | |
| Uses | Food Packaging | | |
| | Household Goods | | |
| | Industrial Containers | | |
| | Pharmaceuticals | | |
| Agency Ratings | ASTM D 4976-PE235 | | |
| | DMF Unspecified Rating | | |
| | FDA 21 CFR 177.1520(c) 3.2a 2 | | |
| Forms | Pellets | | |
| Processing Method | Blow Molding | | |
| | Compression Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.955 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.35 | g/10 min | ASTM D1238 |

| Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50) | 35.0 | hr | ASTM D1693B |
|--|--------------------|------|-------------|
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield, Compression Molded) | 27.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Break, Compression Molded) | 600 | % | ASTM D638 |
| Flexural Modulus - Tangent ³ (Compression Molded) | 1370 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -75.0 | °C | ASTM D746 |
| NOTE | | | |
| 1. | Type IV, 51 mm/min | | |
| 2. | Type IV, 51 mm/min | | |
| 3. | 13 mm/min | | |

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

