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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex[®] EHM 6007 Polyethylene

HIGH DENSITY POLYETHYLENE (HDPE)

This high molecular weight, ethylene homopolymer is tailored for lightweight blow molded containers that require:

- Excellent stiffness
- Low taste and aroma transfer
- Durability
- Recyclability

This resin meets these specifications:

- ASTM D4976 – PE 244
- FDA 21 CFR 177.1520(c) 2.2, use conditions B through H per Table 2 of 21 CFR 176.170(c)
- Listed in the Drug Master File

Typical blow molded applications for EHM 6007 include:

- Dairy bottles
- Liquid food packaging

| NOMINAL PHYSICAL PROPERTIES ⁽¹⁾ | English | SI | Method |
|-----------------------------------------------------------------|-------------|-------------------------|------------|
| Density | --- | 0.964 g/cm ³ | ASTM D1505 |
| Flow Rate (MI, 190 °C/2.16 kg) | --- | 0.70 g/10 min | ASTM D1238 |
| Tensile Strength at Yield , 2 in/min, Type IV bar | 4,400 psi | 30 MPa | ASTM D638 |
| Elongation at Break , 2 in/min, Type IV bar | > 300 % | > 300 % | ASTM D638 |
| Flexural Modulus , Tangent - 16:1 span:depth, 0.5 in/min | 240,000 psi | 1,650 MPa | ASTM D790 |
| ESCR , Condition B (100 % Igepal), F50 | 15 h | 15 h | ASTM D1693 |
| Brittleness Temperature , Type A, Type I specimen | < -103 °F | < -75 °C | ASTM D746 |

1. The nominal properties reported herein are typical of the product, but do not reflect normal testing variances and therefore should not be used for specifications purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

Revision Date: August, 2016

Another quality product from



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