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PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

Marlex® EHM 6007

HIGH DENSITY POLYETHYLENE

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

- Require excellent stiffness
- Require low taste and low aroma transfer
- Are durable and recyclable for sustainability

This resin meets these specifications:

- ASTM D4976 – PE 244
- FDA 21 CFR 177.1520(c) 2.2, use conditions B through H per 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, 190/2.16	---	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 May, 2007

Another quality product from



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