

For more information and technical assistance contact:

Chevron Phillips Chemical Company LP  
P.O. Box 4910  
The Woodlands, TX 77387-4910  
800.231.1212



PREMIUM EXTRUSION AND RIGID PACKAGING RESINS

# Marlex<sup>®</sup> HHM 5502BN

HIGH DENSITY POLYETHYLENE

**This high molecular weight, hexene copolymer is tailored for lightweight blow molded containers that:**

- Require excellent stiffness
- Require exceptional processability
- Are durable and recyclable for sustainability

**This resin meets these specifications:**

- ASTM D4976 - PE 235
- FDA 21 CFR 177.1520(c) 3.2a, use conditions B through H per 21 CFR 176.170(c)  
Listed in the Drug Master File

**Typical blow molded applications for HHM 5502BN include:**

- Ice chests and coolers
- Household and industrial chemical containers
- Food packaging
- Pharmaceuticals

NOMINAL PHYSICAL PROPERTIES <sup>(1)</sup>	English	SI	Method
<b>Density</b>	---	0.955 g/cm <sup>3</sup>	ASTM D1505
<b>Melt Index</b> , 190/2.16	---	0.35 g/10 min	ASTM D1238
<b>Tensile Strength at Yield</b> , 2 in/min, Type IV bar	4,000 psi	27 MPa	ASTM D638
<b>Elongation at Break</b> , 2 in/min, Type IV bar	600%	600%	ASTM D638
<b>Flexural Modulus</b> , Tangent - 16:1 span:depth, 0.5 in/min	200,000 psi	1,370 MPa	ASTM D790
<b>ESCR</b> , Condition B (100% Igepal), F <sub>50</sub>	35 h	35 h	ASTM D1693
<b>Brittleness Temperature</b> , 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 variance and therefore should not be used for specification 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.

MSDS #240370

Revision Date May, 2007

Another quality product from



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