

Marlex[®] HHM 5202-02BN

HIGH DENSITY POLYETHYLENE

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

- Require good stiffness
- Require exceptional processability
- Require good ESCR
- 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 5202-02BN include:

- Household and industrial chemical containers
- Toys
- Personal care products

NOMINAL PHYSICAL PROPERTIES ⁽¹⁾	English	SI	Method
Density	---	0.951 g/cm ³	ASTM D1505
Melt Index , 190/2.16	---	0.30 g/10 min	ASTM D1238
Tensile Strength at Yield , 2 in/min, Type IV bar	3,900 psi	26 MPa	ASTM D638
Elongation at Break , 2 in/min, Type IV bar	600%	600%	ASTM D638
Flexural Modulus , Tangent - 16:1 span:depth, 0.5 in/min	190,000 psi	1,310 MPa	ASTM D790
ESCR , Condition B (100% Igepal), F ₅₀	50 h	50 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 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.

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