



Marlex® HHM 5502

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

- Excellent stiffness
- Exceptional processability

This resin meets these specifications:

- FDA 21 CFR 177.1520
- ASTM D4976 – PE 235
- Listed in the Drug Master File

Typical blow molded applications for HHM 5502 include:

- Household chemicals
- Industrial chemicals
- Pharmaceuticals
- Tool box
- Furniture

NOMINAL PHYSICAL PROPERTIES ⁽¹⁾	TEST METHOD	UNIT	VALUE
Density	ASTM D1505	g/cm ³	0.955
Melt Index, Condition 190/2.16	ASTM D1238	g/10 min	0.35
Condition 190/21.6			33
Tensile Strength at Yield, 50 mm/min, Type IV bar	ASTM D638	MPa	27
Elongation at Break, 50 mm/min, Type IV bar	ASTM D638	%	600
Flexural Modulus, Tangent - 16:1 span:depth, 12.7 mm/min	ASTM D790	MPa	1370
ESCR, Condition B (100% Igepal), F ₅₀	ASTM D1693	h	35
Brittleness Temperature, Type A clamp, Type I specimen	ASTM D746	°C	<-75

(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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