

Marlex[®] HHM 5502BN

High Density Polyethylene

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

- Excellent stiffness
- Exceptional processability

This resin meets these specifications:

- ASTM D4976 – PE 235
- FDA 21 CFR 177.1520(c) 3.2a
- Listed in the Drug Master File
- EU No. 10/2011

Typical blow moulded applications for HHM 5502BN include:

- Household chemicals
- Industrial chemicals
- Pharmaceuticals
- Toolboxes
- Furniture

For a Material Safety Data Sheet (MSDS), visit our site at www.saudipolymers.com

Nominal Resin Properties ^(1,2)	Value (SI Units)	Method
Density	0.955 g/cm ³	ASTM D1505
Melt Index , Condition 190°C / 2.16 kg	0.35 g/10 min	ASTM D1238
Tensile Strength at Yield , 50.8 mm/min, Type IV bar	27 MPa	ASTM D638
Elongation at Break , 50.8 mm/min, Type IV bar	600%	ASTM D638
Flexural Modulus , Tangent, 16:1 span:depth, 12.7 mm/min	1370 MPa	ASTM D790
ESCR , Condition B (100% Igepal), F ₅₀	35 hrs	ASTM D1693
Durometer Hardness , Type D (Shore D)	63	ASTM D2240
Heat Deflection Temperature @ 0.46 MPa	79°C	ASTM D648
Brittleness Temperature , Type A, Type I specimen	<-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.
2. The physical properties were determined on compression moulded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.
3. Not Determined – Awaiting laboratory updates.

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