

High density polyethylene (HDPE)

Marlex® HHM 5502 BN
Saudi Polymers Company, Saudi Arabia

PROPERTIES

Description	Marlex® HHM 5502 BN is 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		
Applications	Typical blow molded applications for HHM 5502BN include: Ice chests and coolers; Household and industrial chemical containers; Food packaging; Pharmaceuticals; Toolboxes; Furniture		
Density	g/cm ³	0.955	ASTM D1505
Melt Flow Index (192 °C @ 2.16)	g/10min	0.35	ASTM D1238
Tensile Strength (Yield) (2 in/min, Type IV Bar)	Psi / MPa	4,000 / 27	ASTM D638
Elongation at Break (2 in/min, Type IV Bar)	%	>600	ASTM D638
ESCR Condition B (100% Igepal). F ₅₀	hr	35	ASTM D1693
Brittleness Temperature (Type A, Type I specimen)	°F / °C	<-103 / <-75	ASTM D746
Flexural modulus (Tangent – 16:1 span:depth, 0.5 in/min)	Psi / MPa	200,000 / 1370	D790
Durometer Hardness	Shor D	63	ASTM D2240
Heat Deflection Temperature (@ 0.46 MPa)	°C	79	ASTM D648

These are typical properties: not to be construed as specification.