Producer: Chevron Phillips Chemical Company LP. / The United States (USA)

Marlex® HHM 5502BN

Description:

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

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

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

This resin meets these specifications:

- ASTM D 4976 - 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 List

PROPERTIES[1]	UNIT	VALUE	TEST METHOD
Density	-	0,955 g/cm^3	ASTM D 1505
Melt Flow Rate (MFR) (2.16/190°C)	-	0,35 g/10 min	ASTM D 1238
Tensile Strength at Yield, 2 in/min, Type IV bar	4.000 psi	27 Mpa	ASTM D 638
Elongation at Break, 2 in/min, Type IV bar	600%	600%	ASTM D 638
Flexural Modulus, Tangent - 16:1 span: depth, 0.5 in/min	200.000 psi	1,370 Mpa	ASTM D 790
ESCR, Condition B (100% Igepal), F_{50}	35 h	35 h	ASTM D 1693
Brittleness Temperature, Type A, Type I specimen	<-103°F	<-75°F	ASTM D 746

[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 D 4703, Annex A1.