

## Chevron Phillips Marlex® HHM 5502-01 ST High Density Ethylene Hexene Copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

### Material Notes:

High Density Ethylene Hexene Copolymer Sag Upper Limit: 18 cm, Lower Limit: 13 cm; 2 ft. X 4ft. X 125 mil thick blank heated to forming temperature. Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-Marlex-HHM-5502-01-ST-High-Density-Ethylene-Hexene-Copolymer.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HHM-5502-01-ST-High-Density-Ethylene-Hexene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
Environmental Stress Crack Resistance	45 hour	45 hour	Condition A, F <sub>50</sub> (100% Igepal) CO-630, ASTM D1693; Condition B, F <sub>50</sub> : 35, ASTM D1693
Melt Flow	0.25 g/10 min	0.25 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	2 in per min; ASTM D638 Type IV
Elongation at Break	>= 600 %	>= 600 %	2 in per min; ASTM D638 Type IV
Flexural Modulus	1.378 GPa	199.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -84.0 °C	<= -119 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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