

## Chevron Phillips Marlex® HHM 5502-01 Polyethylene, Sheet/Thermoforming Grade, HDPE (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Sheet/Thermoforming Grade

**Material Notes:**

Meets FDA Regulation 177.1520.Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-Marlex-HHM-5502-01-Polyethylene-SheetThermoforming-Grade-HDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HHM-5502-01-Polyethylene-SheetThermoforming-Grade-HDPE-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
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	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	ASTM D638
Flexural Modulus	1.379 GPa	200.0 ksi	ASTM D790

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.33	2.33	ASTM D1531
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
	@Thickness 3.17 mm	@Thickness 0.125 in	
Dissipation Factor	>= 0.00010	>= 0.00010	ASTM D1531
	@Frequency 100000 Hz	@Frequency 100000 Hz	

Processing Properties	Metric	English	Comments
Processing Temperature	149 - 177 °C	300 - 351 °F	Thermoforming surface
	227 - 260 °C	441 - 500 °F	Extrusion

### Contact Songhan Plastic Technology Co.,Ltd.

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