

## Chevron Phillips Marlex® HMN 4550 Polyethylene, Injection Molding Grade, HDPE (discontinued \*\*)

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

**Material Notes:**

Meets FDA Regulation 177.1520. High stress crack resistance, impact strength, and warpage resistance. Data provided by the manufacturer

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-Marlex-HMN-4550-Polyethylene-Injection-Molding-Grade-HDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HMN-4550-Polyethylene-Injection-Molding-Grade-HDPE-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	5.0 g/10 min	5.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
Flexural Modulus	1.03 GPa	149 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	218 - 274 °C	424 - 525 °F	Stock Temperature

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China