

## Chevron Phillips Marlex® HMN 5580 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 stiffness, excellent surface appearance, good 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-5580-Polyethylene-Injection-Molding-Grade-HDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HMN-5580-Polyethylene-Injection-Molding-Grade-HDPE-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	>= 400 %	>= 400 %	ASTM D638
Flexural Modulus	1.41 GPa	205 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.

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