

## Chevron Phillips Marlex® HMN 55180 High Density Polyethylene (discontinued \*\*)

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

### Material Notes:

**High Density Polyethylene Customer Benefits:** This resin is a narrow molecular weight distribution copolymer with easy processing characteristics and excellent toughness properties. This product displays excellent color, low odor, and processing stability. It is generally recommended for housewares, containers, and cap closure applications. **Applications:** Tote bags, housewares, food containers **Property Comments:** Physical Properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Data provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-Marlex-HMN-55180-High-Density-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HMN-55180-High-Density-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	18 g/10 min	18 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.5 MPa	3990 psi	ASTM D683
Elongation at Break	125 %	125 %	ASTM D638
Flexural Modulus	1.378 GPa	199.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -80.0 °C	<= -112 °F	ASTM D746

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