

**Phillips Sumika Marlex® ABF-080 Thermoplastic Polyolefin (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyolefin

**Material Notes:**

Applications: Air damInterior trimInformation provided by Chevron Phillips.Phillips Sumika Polypropylene Company has been shut down, as announced in 2011. This product had been discontinued prior to the shutdown announcement.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Phillips-Sumika-Marlex-ABF-080-Thermoplastic-Polyolefin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Phillips-Sumika-Marlex-ABF-080-Thermoplastic-Polyolefin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	Injection molded specimen; ASTM D1505
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ASTM D2240
Tensile Strength, Yield	18.0 MPa	2610 psi	2 in/min, injection molded, type 1 specimen; ASTM D638
Flexural Modulus	0.550 GPa	79.8 ksi	Injection molded specimen, 0.05 in/min, Tangent method; ASTM D790
Izod Impact, Notched	1.23 J/cm @Temperature -30.0 °C	2.30 ft-lb/in @Temperature -22.0 °F	injection molded specimen; ASTM D256
Gardner Impact	32.8 J @Temperature -30.0 °C	24.2 ft-lb @Temperature -22.0 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	43.0 °C	109 °F	injection molded specimen; ASTM D648

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