

**Phillips Sumika Marlex® ABF-035 Thermoplastic Polyolefin (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyolefin

**Material Notes:**

Applications: Vehicle front-end air dams High impact exterior trim Information 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-035-Thermoplastic-Polyolefin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Phillips-Sumika-Marlex-ABF-035-Thermoplastic-Polyolefin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.899 g/cc	0.0325 lb/in <sup>3</sup>	Injection molded specimen; ASTM D1505
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 230 °C	9.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ASTM D2240
Tensile Strength, Yield	11.0 MPa	1600 psi	2 in/min, injection molded, type 1 specimen; ASTM D638
Flexural Modulus	0.240 GPa	34.8 ksi	Injection molded specimen, 0.05 in/min, Tangent method; ASTM D790
Izod Impact, Notched	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	injection molded specimen; ASTM D256
Gardner Impact	29.4 J @Temperature -30.0 °C	21.7 ft-lb @Temperature -22.0 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	39.0 °C	102 °F	injection molded specimen; ASTM D648

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