

**Phillips Sumika Marlex® CHP-055 Thermoplastic Polyolefin (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyolefin

**Material Notes:**

Applications: Passenger-side Air--bag coverSoft interior 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-CHP-055-Thermoplastic-Polyolefin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Phillips-Sumika-Marlex-CHP-055-Thermoplastic-Polyolefin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in <sup>3</sup>	Injection molded specimen; ASTM D1505
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 230 °C	7.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Tensile Strength, Yield	17.2 MPa	2490 psi	20 in/min, injection molded, type 1 specimen; ASTM D638
Flexural Modulus	0.379 GPa	55.0 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
Impact Test	40.0 J @Temperature -40.0 °C	29.5 ft-lb @Temperature -40.0 °F	Instrumented, 15 mph; ASTM D3763
Tear Strength	121 kN/m	690 pli	Die C, 2 in/min; ASTM D1004

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	59.0 °C	138 °F	injection molded specimen; ASTM D648

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