

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

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Applications: Painted air-bag covers Soft interior trim Soft touch overmolding Information provided by Chevron Phillips. Phillips Sumika Polypropylene Company has been shut down, as announced in 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-Sumika-Marlex-CHP-035-Thermoplastic-Polyolefin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.899 g/cc	0.0325 lb/in ³	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 A	93	93	Injection molded specimen; ASTM D2240
Tensile Strength, Yield	13.0 MPa	1890 psi	20 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 -40.0 °C	NB @Temperature -40.0 °F	injection molded specimen; ASTM D256
Impact Test	30.5 J @Temperature -40.0 °C	22.5 ft-lb @Temperature -40.0 °F	Instrumented, 15 mph; ASTM 3763
Tear Strength	87.0 kN/m	496 pli	Die C, 2 in/min; D1004

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	52.0 °C	126 °F	injection molded specimen; ASTM D648

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