

Diamond Polymers Softflex® SF 7001 Thermoplastic Vulcanizate (TPV)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-Softflex-SF-7001-Thermoplastic-Vulcanizate-TPV.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.014 - 0.016 cm/cm @Thickness 3.17 mm	0.014 - 0.016 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70 - 80	70 - 80	ASTM D2240
Tensile Strength at Break	4.80 MPa	696 psi	chs 20 in/min; ASTM D412
Elongation at Break	650 %	650 %	chs 20 in/min; ASTM D412
Compression Set	35 % @Temperature 25.0 °C, Time 79200 sec	35 % @Temperature 77.0 °F, Time 22.0 hour	ASTM D395

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