

Network Polymers Softflex® 0150

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Description: Softflex® Thermoplastic Elastomer Alloy Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-Softflex-0150.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.017 cm/cm @Thickness 3.17 mm	0.017 in/in @Thickness 0.125 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	150 g/10 min @Load 1.00 kg, Temperature 235 °C	150 g/10 min @Load 2.20 lb, Temperature 455 °F	Procedure A Condition Q; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	10 - 20	10 - 20	Instantaneous; ASTM D2240
Tensile Strength, Yield	3.00 MPa	435 psi	chs 20 in/min; ASTM D412
Elongation at Break	800 %	800 %	ASTM D412
Gardner Impact	>= 36.2 J @Temperature -30.0 °C	>= 26.7 ft-lb @Temperature -22.0 °F	ASTM D5420
Tear Strength	8.80 kN/m	50.2 pli	ASTM D624

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