

Network Polymers Softflex® 5300

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-5300.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 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	0.013 cm/cm @Thickness 3.17 mm	0.013 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	0.20 g/10 min @Load 1.00 kg, Temperature 235 °C	0.20 g/10 min @Load 2.20 lb, Temperature 455 °F	Procedure A Condition Q; ASTM D1238
	1.9 g/10 min @Load 5.00 kg, Temperature 200 °C	1.9 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 60	50 - 60	Instantaneous; ASTM D2240
Tensile Strength, Yield	6.14 MPa	890 psi	chs 20 in/min; ASTM D412
Elongation at Break	1000 %	1000 %	ASTM D412
Tear Strength	27.5 kN/m	157 pli	ASTM D624

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