

Network Polymers Softflex® 1104

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-1104.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM D792
Linear Mold Shrinkage	0.00040 cm/cm	0.00040 in/in	
Melt Flow	8.0 - 14 g/10 min @Load 5.00 kg, Temperature 200 °C	8.0 - 14 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.2 MPa	2500 psi	chs 20 in; ASTM D412
Tensile Strength, Yield	24.8 MPa	3600 psi	chs 20 in/min; ASTM D412
Elongation at Break	>= 200 %	>= 200 %	ASTM D412
Flexural Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	1.72 GPa	250 ksi	
Izod Impact, Notched	0.267 J/cm	0.500 ft-lb/in	0.125 inch bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.9 °C	170 °F	ASTM D618
Vicat Softening Point	90.7 °C	195 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D1003

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