

## Network Polymers Softflex® 0250

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-0250.php](http://www.lookpolymers.com/polymer_Network-Polymers-Softflex-0250.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	0.017 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.015 cm/cm	0.015 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
Melt Flow	0.20 g/10 min	0.20 g/10 min	Procedure A Condition C; ASTM D1238
	@Load 2.16 kg, Temperature 150 °C	@Load 4.76 lb, Temperature 302 °F	
	52.7 g/10 min	52.7 g/10 min	Procedure A Condition E; ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	110 g/10 min	110 g/10 min	Procedure A Condition Q; ASTM D1238
	@Load 1.00 kg, Temperature 235 °C	@Load 2.20 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	20 - 30	20 - 30	10 second dwell; ASTM D2240
	24 - 34	24 - 34	Instantaneous; ASTM D2240
Tensile Strength, Yield	5.52 MPa	800 psi	chs 20 in/min; ASTM D412
Elongation at Break	950 %	950 %	ASTM D412
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D5420
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Tear Strength	19.3 kN/m	110 pli	ASTM D624

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