

## Network Polymers Softflex® 9000

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-9000.php](http://www.lookpolymers.com/polymer_Network-Polymers-Softflex-9000.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0070 - 0.0080 cm/cm @Thickness 3.17 mm	0.0070 - 0.0080 in/in @Thickness 0.125 in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0070 - 0.0080 cm/cm @Thickness 3.17 mm	0.0070 - 0.0080 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	3.4 g/10 min @Load 5.00 kg, Temperature 200 °C	3.4 g/10 min @Load 11.0 lb, Temperature 392 °F	Procedure A Condition G; ASTM D1238
	36 g/10 min @Load 1.00 kg, Temperature 235 °C	36 g/10 min @Load 2.20 lb, Temperature 455 °F	Procedure A Condition Q; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87 - 97	87 - 97	Instantaneous; ASTM D2240
Hardness, Shore D	65	65	
Tensile Strength, Yield	44.8 MPa	6500 psi	chs 20 in/min; ASTM D412
Elongation at Break	450 %	450 %	ASTM D412
50% Modulus	0.00760 GPa	1.10 ksi	ASTM D412
100% Modulus	0.0112 GPa	1.62 ksi	ASTM D412
300% Modulus	0.0248 GPa	3.60 ksi	ASTM D412
Tear Strength	133 kN/m	759 pli	
Taber Abrasion, mg/1000 Cycles	10	10	H22 Wheel 1000 g load/1000 cycles; ASTM D3389
Compression Set	25 %	25 %	Method B, 22 hours at 25% deflection and 23°C; ASTM D395

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**