

## Network Polymers Softflex® 3300

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-3300.php](http://www.lookpolymers.com/polymer_Network-Polymers-Softflex-3300.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.868 g/cc	0.868 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0392 cm/cm	0.0392 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.0392 cm/cm	0.0392 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
Melt Flow	3.4 g/10 min	3.4 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	26 - 36	26 - 36	10 second dwell; ASTM D2240
	37 - 47	37 - 47	Instantaneous; ASTM D2240
Tensile Strength at Break	2.57 MPa	373 psi	chs 20 in/min; ASTM D412
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D412
50% Modulus	0.000560 GPa	0.0812 ksi	ASTM D412
100% Modulus	0.000700 GPa	0.102 ksi	ASTM D412
300% Modulus	0.000960 GPa	0.139 ksi	ASTM D412
Flexural Modulus	0.00403 GPa	0.585 ksi	Test Method I (chs speed 0.5 in/min)
Tear Strength	12.4 kN/m	70.8 pli	Die C/20"/min; ASTM D624
Taber Abrasion, mg/1000 Cycles	0.0013	0.0013	H22 Wheel 1000 g load/1000 cycles; ASTM D3389
Compression Set	25.9 %	25.9 %	Method B, 22 hours at 25% deflection and 23°C; ASTM D395
	61.4 %	61.4 %	
	@Temperature 100 °C	@Temperature 212 °F	22 hours at 25% deflection; ASTM D395, Method B,

Mechanical Properties	72.6 % Metric	72.6 % English	Comments
	@Temperature 70.0 °C	@Temperature 158 °F	25% deflection; ASTM D595, Method B,
Tensile Set	8.6 %	8.6 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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