

Network Polymers Softflex® 8103

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-8103.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.118 g/cc	1.118 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0062 - 0.01620 cm/cm	0.0062 - 0.01620 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.0052 - 0.0152 cm/cm	0.0052 - 0.0152 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	
Melt Flow	41.5 g/10 min	41.5 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	70 - 80	70 - 80	10 second dwell; ASTM D2240
	74 - 84	74 - 84	Instantaneous; ASTM D2240
Elongation at Break	970 %	970 %	ASTM D412
Tensile Modulus	0.02904 GPa	4.212 ksi	
50% Modulus	0.0240 GPa	3.48 ksi	ASTM D412
100% Modulus	0.0300 GPa	4.35 ksi	ASTM D412
300% Modulus	0.0430 GPa	6.24 ksi	ASTM D412
Flexural Modulus	0.0245 GPa	3.55 ksi	
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Tear Strength	63.8 kN/m	364 pli	
Taber Abrasion, mg/1000 Cycles	0.146	0.146	H22 Wheel 1000 g load/1000 cycles; ASTM D3389
Compression Set	6.0 %	6.0 %	Method B, 22 hours at 25% deflection and 23°C; ASTM D395

Mechanical Properties	Metric	English	Comments
	@Temperature 70.0 °C	@Temperature 158 °F	22 hours at 25% deflection; ASTM D395, Method B,
	92.2 %	92.2 %	22 hours at 25% deflection; ASTM D395, Method B,
	@Temperature 100 °C	@Temperature 212 °F	
Tensile Set	108.3 %	108.3 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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