

Softflex® 8103

Thermoplastic Elastomer

Network Polymers, Inc.

Message:

Softflex® 8103 is a Thermoplastic Elastomer (TPE) product. It is available in North America. Typical application: Engineering/Industrial Parts.

General Information			
UL YellowCard	E51193-101898753		
Uses	Overmolding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (235°C/1.0 kg)	42	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	1.1 to 1.2	%	
Across Flow : 3.18 mm	0.97 to 1.1	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	74 to 84		
Shore A, 10 sec	70 to 80		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	29.0	MPa	ASTM D638
Flexural Modulus	24.5	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-22 Wheel)	146	mg	ASTM D3389
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (100% Strain)	108	%	ASTM D412
Tensile Stress			ASTM D412
50% Strain	0.0242	MPa	
100% Strain	0.0295	MPa	
300% Strain	0.0429	MPa	
Tensile Elongation (Break)	970	%	ASTM D412
Tear Strength	63.7	kN/m	ASTM D624
Compression Set			ASTM D395B
23°C, 22 hr	6.0	%	
70°C, 22 hr	75	%	
100°C, 22 hr	92	%	
Impact	Nominal Value	Unit	Test Method
Gardner Impact	> 36.2	J	ASTM D3029
Additional Information	Nominal Value		
Overmold Bonding	ABS, PC, ABS/PC, PPO		

NOTE

1. Procedure A

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

