

Softflex® 5000

Thermoplastic Elastomer

Network Polymers, Inc.

Message:

Softflex® 5000 is a Thermoplastic Elastomer (TPE) product. It can be processed by coating or injection molding and is available in North America.

General Information			
Forms	Pellets		
Processing Method	Coating Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.875	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 kg)	1.1	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	2.3	%	
Across Flow : 3.18 mm	1.5	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	5.36	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% Strain	0.738	MPa	
100% Strain	0.951	MPa	
300% Strain	1.63	MPa	
Tensile Strength (Break)	2.57	MPa	ASTM D412
Tensile Elongation (Break)	1000	%	ASTM D412
Tear Strength	21.2	kN/m	ASTM D624
Compression Set (23°C)	19	%	ASTM D395
NOTE			
1.	13 mm/min		

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Recommended distributors for this material

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