

Softflex® 0809

Thermoplastic Elastomer
Network Polymers, Inc.

Message:

Softflex® 0809 is a Thermoplastic Elastomer (TPE) product. It is available in North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.923	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (235°C/1.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.7 to 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	36		
Shore A, 10 sec	31		
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-22 Wheel)	1.18	mg	ASTM D3389
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (100% Strain)	5	%	ASTM D412
Tensile Stress			ASTM D412
50% Strain	0.600	MPa	
100% Strain	0.876	MPa	
300% Strain	1.78	MPa	
Tensile Strength ² (Yield)	4.54	MPa	ASTM D412
Tensile Elongation (Break)	610	%	ASTM D412
Compression Set			ASTM D395B
23°C, 22 hr	20	%	
70°C, 22 hr	76	%	
100°C, 22 hr	82	%	
Impact	Nominal Value	Unit	Test Method
Gardner Impact (-30°C)	137	J	ASTM D5420
NOTE			
1.	Procedure A		
2.	510 mm/min		

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