

Softflex® 7700

Thermoplastic Elastomer

Network Polymers, Inc.

Message:

Softflex® 7700 is a Thermoplastic Elastomer (TPE) product. It is available in North America. Typical application: Engineering/Industrial Parts.

General Information			
Uses	Overmolding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (224°C/1.2 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	1.2 to 1.6	%	
Across Flow : 3.18 mm	1.2 to 1.6	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72 to 82		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% Strain	2.96	MPa	
100% Strain	4.69	MPa	
300% Strain	2.76	MPa	
Tensile Strength ² (Yield)	34.5	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength	87.6	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	28	%	ASTM D395B
Additional Information	Nominal Value		
Overmold Bonding	ABS, PC, ABS/PC, PPO		
NOTE			
1.	Procedure A		
2.	510 mm/min		

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