

Softflex® 0615

Thermoplastic Elastomer

Network Polymers, Inc.

Message:

Softflex® 0615 is a Thermoplastic Elastomer (TPE) product. It is available in North America. Typical application: Engineering/Industrial Parts.

General Information			
UL YellowCard		E51193-101898743	
Uses		Overmolding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.992	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹			ASTM D1238
200°C/5.0 kg	27	g/10 min	
235°C/1.0 kg	8.3	g/10 min	
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	1.1	%	
Across Flow : 3.18 mm	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	50 to 60		
Shore A, 10 sec	48 to 58		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	15.0	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-22 Wheel)	192	mg	ASTM D3389
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (100% Strain)	9	%	ASTM D412
Tensile Stress			ASTM D412
50% Strain	1.38	MPa	
100% Strain	1.79	MPa	
300% Strain	4.48	MPa	
Tensile Strength ² (Yield)	7.79	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Tear Strength	28.4	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Gardner Impact (-30°C)	> 36.2	J	ASTM D5420
Additional Information	Nominal Value		
Overmold Bonding	ABS, PC, ABS/PC, PPO		
NOTE			
1.	Procedure A		

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