



NETWORK POLYMERS, INC.

Softflex® Thermoplastic
Elastomer Alloy

Softflex® 0615

PROPERTIES	ASTM METHOD	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow Rate - Procedure A Condition L (230° C/2.16 kg) Condition G (200° C/5kg) Condition Q (235° C/1.0 Kg)	D-1238	g/10 min	-- 27 8.3
Specific Gravity	D-792		0.994
Mold Shrinkage (specimen thickness 0.125") Direction of flow Transverse to flow	D-955	(in/in,mm/mm)	0.011 0.011
Shore Hardness Instantaneous 10 sec. dwell	D-2240	Shore A	55±5 53±5
Compression Set-Method B 22 Hours @ 25% deflection 23° C 70° C 100° C	D-395	%	18.4 67.9 88.4
Taber Abrasion H22 Wheel 1,000g load/1,000 cycles	D-3389	mg loss/cycle	0.192
Tear Strength	D-624	ppi kN/m	162 28.4
Gardner Impact (-30° C)	D-5420	in • lbf J	>320 >36.2
FLEXURAL			
Flexural Modulus	D-790	psi MPa	2,170 15.0
TENSILE			
Tensile Yield Strength, chs 20 in/min	D-412	psi MPa	1,130 7.8
Tension Set-100% strain	D-412	%	9.3
Tensile Stress Modulus 50% elongation 100% elongation 300% elongation	D-412	psi/MPa	200/1.38 260/1.79 650/4.48
Ultimate Elongation	D-412	%	750
OVERMOLD CAPABILITY			
Overmold Bonding to:			ABS, PC, ABS/PC, PPO

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