



NETWORK POLYMERS, INC.

Softflex® Thermoplastic
Elastomer Alloy

Softflex® 2701T

TRANSPARENT

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	-- -- 5.0±5
Specific Gravity	D-792		0.994
Mold Shrinkage (specimen thickness 0.125") Direction of flow Transverse to flow	D-955	(in/in,mm/mm)	.008 .006
Shore Hardness Instantaneous 10 sec. dwell	D-2240	Shore A	53±5 50±5
Compression Set-Method B 22 Hours @ 25% deflection 23° C 70° C 100° C	D-395	%	22.0 72.5 89.2
Taber Abrasion H22 Wheel 1,000g load/1,000 cycles	D-3389	mg loss/cycle	0.0589
Tear Strength @ 100° C @ 23° C	D-624	psi KgN/m	5927 37.9
Gardner Impact (-30° C)	D-5420	in • lbf J	239 27
TENSILE			
Tensile Yield Strength, chs 20 in/min	D-412	psi MPa	1643 11.32
Tension Set-100% strain	D-412	%	3.8
Tensile Stress Modulus 50% elongation 100% elongation 300% elongation	D-412	psi/MPa	218/1.5 289/2.0 487/3.4
Ultimate Elongation	D-412	%	873
PEEL STRENGTH			
Over Mold Peel Strength 90°	D-429	lbf/in J/m	20.4 1089
OVERMOLD CAPABILITY			
			ABS, PC, ABS/PC, PPO

SDB/00-6

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