NADCO TAPES & LABELS, INC.®

"If you can imagine it, Nadco will make it Stick."®

1001

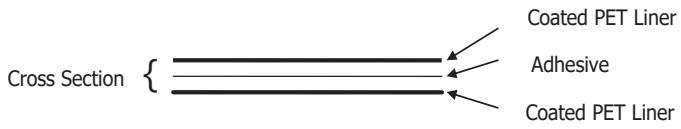
1001 - 2 & 5 MIL CLEAR SILICONE TRANSFER ADHESIVE

Part # 1001 silicone transfer adhesive is designed for high performance applications requiring chemical resistance, excellent bond strength and resistance to extreme temperatures (-300°F to 500°F). The 2 & 5 mil silicone adhesive is protected by two clear polyester film liners. Part # 1001 bonds well to metals, silicone foam, most plastics and low energy surfaces such as polyethylene and polypropylene.

FEATURES & BENEFITS

- **Excellent chemical resistance**
- **Excellent bond strength**
- **Performs in extreme temperatures**
- **UV Resistant**

CONSTRUCTION DIAGRAM



TYPICAL APPLICATIONS

Electronics
Aerospace
Medical

CONSTRUCTION

2 mil Fluorosilicone Coated PET liner
2 & 5 mil pressure sensitive silicone adhesive
2 mil Fluorosilicone Coated PET liner
Clear

PERFORMANCE

180 Peel Adhesion (20 min dwell) oz./inch	55 oz/inch
Continuous operating temperature extremes	-300°F to 500°F (-185°C to 260°C)

2240 72nd Terrace East / Sarasota, FL 34243
800.839.9018 / PH: 941.751.6693 / FX: 941.727.8221 / nadcoinc.com

180º PEEL ADHESION AND SHEAR STRENGTH, ROOM TEMPERATURE

SURFACE ENERGY		PEEL STRENGTH 1 mil PET				SHEAR STRENGTH 1 mil PET
		20 minute dwell		24 hour dwell		24 hour dwell 1" x 1" 1000 gms
Dynes/cm		oz./in.	N/100 mm	oz./in.	N/100 mm	Minutes to fail
400	Alum.	48	53	50	55	> 10,000
	Stainless steel	48	53	50	55	> 10,000
Cu,Zn,Sn,Pb						
	Glass	44	48	49	54	> 10,000
	Polyimide	40	44	44	48	> 10,000
Phenolic, Nylon						
	Polyester	39	43	43	47	> 10,000
	ABS	45	49	47	51	> 10,000
	Polycarbonate	43	47	45	49	> 10,000
	PVC	44	48	45	49	> 10,000
	PPO	45	49	46	50	> 10,000
	Acrylic	41	45	41	45	> 10,000
PVA,PS,EVA						
	Polyethylene	41	45	44	48	> 10,000
	Polypropylene	39	43	43	47	> 10,000
TEDLAR						
	SIL	37	40	37	40	> 10,000
18	TF	31	34	32	35	> 10,000

ELECTRICAL PROPERTIES
NT 1001 silicone adhesive as a dry, cured self-supported mass: no film support

	ASTM Procedure	
Dielectric Strength	D-149	1487 volts/mil @ 2 mils of adhesive = 2974 volts
Dielectric Constant	D-150	@ 10^2 Hz = 2.99; @ 10^5 Hz = 2.93
Dissipation Factor	D-150	@ 10^2 Hz = 0.0046; @ 10^5 Hz = 0.0025
Volume Resistivity	D-257	@ 75 volts/mil, ottm-cm = 2.5 x 10^{15}

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