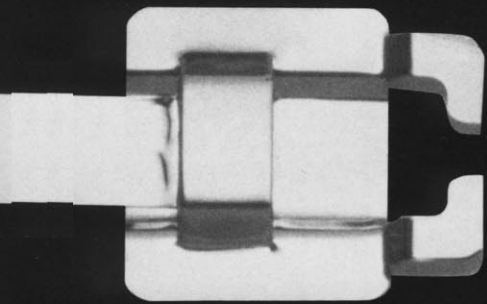
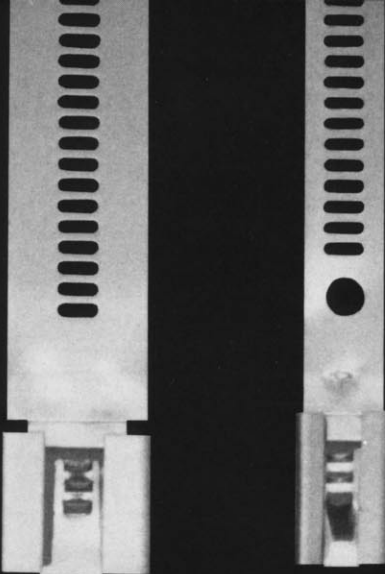


Cable Tie Materials

**A
Comparison
of
Stainless Steel
and
Nylon**



BAND-IT[®]
THE CLAMPING EXPERTS

Table 1

Nylon Cable Tie Materials Comparison to Stainless Steel

Relative Performance Ratings of Materials

5 = Most Suitable 1 = Least Suitable	Standard 6/6 Nylon	6/6 Weather Resistant Nylon	Weather Resistant Nylon 12	304 Stainless Steel
Ultraviolet Resistant	1	3	3	5
Radiation Resistant	1	1	1	5
Low Temperature Requirement	2	2	3	5
High Temperature Requirement	2	2	1	5
Flammability Requirement	2	2	1	5
Chemical Resistance	See Table 3			

Table 2

Physical Properties

	Standard 6/6 Nylon	6/6 Weather Resistant Nylon	Weather Resistant Nylon 12	304 Stainless Steel
Tensile Strength	8500 yield	9000 yield	5800 yield	30,000 min yield
Elongation	300%	200%	250%	45% max.
Flammability Rating U.L.	94V-2	94V-2	-----	n.a.*
Radiation Resistance	1x10 ⁶	1x10 ⁶	-----	2x10 ⁸
Ultraviolet Light Resistance	Poor	Good	Good	Excellent
Water Absorption %	8.5 max.	8.5 max.	1.5 max.	none
Max Continuous Temp. °F	185	185	185	1000
Min. Continuous Temp. °F	-40	-40	-40	-112

*Stainless Steel is inherently unflammable - thus, no U.L. listing has been afforded.

Table 3

Chemical Resistance Temp. 70°

Ratings

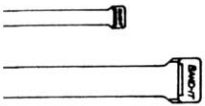
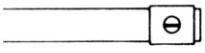
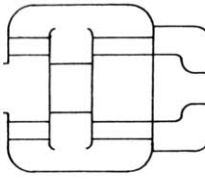
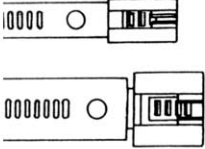
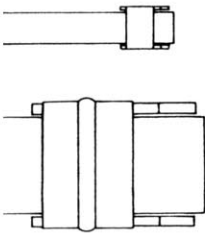
E=Excellent

S=Satisfactory

F=Fair

NR=Not Recommended

Chemical	%	Standard 6/6 Nylon	6/6 Weather Resistant Nylon	Weather Resistant Nylon 12	304 Stainless Steel	Chemical	%	Standard 6/6 Nylon	6/6 Weather Resistant Nylon	Weather Resistant Nylon 12	304 Stainless Steel
Arsenic Acid	40	NR	NR	NR	E	Mercury	100	NR	NR	NR	E
Acetone	100	E	E	E	E	Methyl Alcohol	100	S	S	E	E
Aluminum	AQ	NR	NR	NR	E	Methyl Chloride	100	NR	NR	NR	E
Hydroxide						Methyl Ethyl	100	NR	NR	E	E
Ammonium	5	S	S	E	E	Ketone					
Carbonate						Naptha	100	NR	NR	NR	E
Ammonium	10	E	E	NR	E	Nitric Acid	30	NR	NR	NR	E
Hydroxide						Nitric Acid	30-70	NR	NR	NR	E
Ammonium Nitrate		NR	NR	E	E	Nitrous Acid	5	NR	NR	NR	E
Ammonium Sulfate	10	NR	NR	S	S	Oleic Acid	100	NR	NR	NR	E
Barium Carbonate	All	NR	NR	E	E	Oxalic Acid	10	NR	NR	S	E
Barium Chloride	5	NR	NR	E	E	Parrafin	100	E	E	E	E
Barium Sulfate	10	E	E	E	E	Petroleum Ether	100	NR	NR	E	E
Barium Sulfide	10	S	S	E	E	Phenol	90	NR	NR	NR	E
Benzene	100	E	E	E	E	Phosphoric Acid	10	NR	NR	NR	E
Benzoic Acid	100	NR	NR	E	E	Picric Acid	1	NR	NR	NR	S
Butyric Acid	50	NR	NR	NR	E	Pottasium Bromide	AQ	NR	NR	NR	S
Calcium Carbonate	AQ	NR	NR	NR	E	Pottasium		NR	NR	E	E
Calcium Chlorate	10	NR	NR	NR	E	Carbonate 1%					
CalciumHydroxide	20	NR	NR	NR	E	Pottasium Chlorate	AQ	NR	NR	S	E
Calcium	2	NR	NR	NR	F	Pottasium	40	NR	NR	F	E
Hydrochlorite						Dichromate					
Calcium Sulfate	2	NR	NR	NR	E	Pottasium	25	NR	NR	NR	E
Carbon						Ferrocynide					
Tetrachloride						Pottasium	5	S	S	NR	E
Chlorine (Wet)		NR	NR	NR	F	Hydroxide					
Chlorine (Dry)		NR	NR	NR	F	Pottasium Iodide	All	NR	NR	E	E
Chloroacetic Acid	30	NR	NR	NR	F	Pottasium Nitrate	50	F	F	E	E
Chloroform	100	NR	NR	NR	E	Pottasium	5	NR	NR	NR	E
Chromic Acid	5	NR	NR	F	E	Permanganate					
Citric Acid	50	S	S	E	E	Pottasium Sulfate	5	NR	NR	NR	E
Copper Cianide	10	NR	NR	NR	E	Pottasium Sulfide	AQ	NR	NR	NR	E
Copper Nitrate	50	NR	NR	NR	E	Propyl Alcohol	100	E	E	NR	E
Cider		NR	NR	NR	E	Silver Nitrate	10	NR	NR	E	E
Diochloethane	100	NR	NR	NR	E	Sodium Acetate	60	E	E	NR	E
Diethyl Ether	100	NR	NR	NR	E	Sodium	All	E	E	E	E
Ethyl Alcohol	100	S	S	E	E	Bicarbonate					
Ethyl Chloride	100	NR	NR	F	E	Sodium Bisulfate	10	NR	NR	E	E
Ethyl Glycol	100	E	E	NR	E	Sodium Borate	All	NR	NR	NR	E
Ferric Hydroxide	All	NR	NR	NR	E	Sodium Carbonate	5	E	E	E	E
Ferric Nitrate	10	NR	NR	NR	E	Sodium Chlorate	25	NR	NR	S	E
Ferrous Sulfate	10	NR	NR	NR	E	Sodium Chloride	2	E	E	E	E
Fuel Oil	100	NR	NR	E	E	Sodium Floride	5	NR	NR	NR	F
Furfural	100	NR	NR	NR	E	Sodium Hydroxide	10	E	E	E	E
Gallic Acid	AQ	NR	NR	NR	E	Sodium	AQ	NR	NR	NR	E
Gasoline	100	E	E	NR	E	Hyposulfite					
Glycerine	100	NR	NR	E	E	Sodium Nitrate	5	E	E	E	E
Hydrocyanic Acid	All	NR	NR	NR	E	Sodium Nitrite	AQ	NR	NR	S	E
HydrogenPeroxide	30	NR	NR	S	E	Sodium Percholate	10	NR	NR	NR	E
Hydrogen Sulfide	Dry	NR	NR	E	E	Sodium Phosphate	5	NR	NR	E	E
Idoform	100	NR	NR	NR	E	Sodium Sulfate	5	S	E	E	E
Isopropyl Alcohol	100	S	S	E	E	Sodium Thiosulfate	5	NR	NR	S	S
Jet Fuel	100	E	E	NR	E	Stearic Acid	100	NR	NR	F	E
Lactic Acid	100	E	E	S	E	Sulfur	100	NR	NR	E	E
Lanolin	10	E	E	E	E	Sulfur Dioxide	All	NR	NR	E	E
Lead Acetate	5	NR	NR	NR	E	Sulfuric Acid	Conc.	NR	NR	NR	E
Magnesium	All	NR	NR	E	E	Sulfuric Acid	5	NR	NR	F	F
Carbonate						Tannic Acid	10	NR	NR	NR	E
Magnesium	10	F	F	F	F	Tartaric Acid	50	NR	NR	E	E
Chloride						Tetrahydrofuran	100	NR	NR	S	E
Magnesium Nitrate	All	NR	NR	E	E	Tolvene	100	E	E	E	F
Malic Acid	AQ	NR	NR	NR	E	Xylene	100	E	E	E	E
						Zinc Chloride	70	F	F	E	E
						Zinc Nitrate	AQ	NR	NR	E	E
						Zinc Sulfate	AQ	NR	NR	E	E

Product Name	Cat. No.	UIC No.	Width In mm	Length In mm	Thickness In mm	Max. Dia. Single Wrap In mm	Max. Dia. Double Wrap In mm	Stainless Steel Type	Coating or Finish
TIE-DEX BANDS 	A31189	11389	.120 3.05	8 200	.015 .38	(double wrap only)	.9 23	304	Dull to Bright
	A10089	11089	.240 6.10	14 360	.020 .51		1.8 46	304	
TIE-LOK TIES 	A211	11211	1/4 6.35	8 203	.015 .38	2.1 53	(Single wrap only)	304	Dull to Bright
	A212	11212	1/4 6.35	14.5 355	.015 .38	4.3 109		304	
	A213	11213	1/4 6.35	21 532	.015 .38	6.5 165		304	
	A214	11214	1/4 6.35	27.5 697	.015 .38	8.5 215		304	
	A215	11215	1/4 6.35	33.5 849	.015 .38	10.5 265		304	
BAND-IT TIES 	AE111	48111	1/4 6.35	6 152	.015 .38	1.5 38	N.A. N.A.	200/300	E.V.A. Coated Black (Uncoated or other colors available on special order)
	AE112	48112	1/4 6.35	9 229	.015 .38	2.5 63	1.1 28	200/300	
	AE113	48113	1/4 6.35	12 305	.015 .38	3.4 86	1.5 38	200/300	
	AE114	48114	1/4 6.35	18 457	.015 .38	5.4 137	2.5 64	200/300	
	AE115	48115	1/4 6.35	24 610	.015 .38	7.3 185	3.5 89	200/300	
	AE311	48311	3/8 9.53	6 152	.015 .38	1.5 38	N.A. N.A.	200/300	
	AE312	48312	3/8 9.53	9 229	.015 .38	2.5 63	1.1 28	200/300	
	AE313	48313	3/8 9.53	12 305	.015 .38	3.4 86	1.5 38	200/300	
	AE314	48314	3/8 9.53	18 457	.015 .38	5.4 137	2.5 64	200/300	
	AE315	48315	3/8 9.53	24 610	.015 .38	7.3 185	3.5 89	200/300	
	AE316	48316	3/8 9.53	30 762	.015 .38	9.1 231	4.4 112	200/300	
	AE317	48317	3/8 9.53	36 914	.015 .38	11.0 280	5.3 135	200/300	
MULTI-LOK TIES 	E.V.A.								Uncoated or E.V.A. Coated Black (other colors available on special order)
	Uncoated	Coated							
	AE601	AE611							
	AE602	AE612							
	AE603	AE613							
	AE604	AE614							
	AE605	AE615							
	AE701	AE711							
	AE702	AE712							
	AE703	AE713							
	AE704	AE714							
	AE705	AE715							
FREE-END CLAMPS 	L203	22203	1/4 6.35	10 250	.020 .51	2.0 50	N.A. N.A.	201	Bright
	L204	22204	1/4 6.35	16 400	.020 .51	3.5 88	1.5 38	201	
	L207	22207	1/4 6.35	19 480	.020 .51	5.0 127	2.5 63	201	
	L208	22208	1/4 6.35	27 680	.020 .51	7.0 177	3.5 88	201	
	L210	22210	1/4 6.35	34 860	.020 .51	9.0 228	4.5 114	201	
	L221	22221	3/8 9.53	16 400	.025 .63	3.5 88	1.5 38	201	
	L229	22229	3/8 9.53	44 1120	.025 .63	12.0 304	6.0 152	201	
	L242	22242	1/2 12.70	18 460	.030 .76	4.0 101	2.0 50	201	
	L246	22246	1/2 12.70	31 780	.030 .76	8.0 203	4.0 101	201	
	L263	22263	5/8 15.88	21 530	.030 .76	5.0 127	2.5 63	201	
	L271	22271	5/8 15.88	56 1420	.030 .76	16.0 406	8.0 203	201	
	L273	22273	5/8 15.88	69 1750	.030 .76	20.0 508	10.0 254	201	
	L284	22284	3/4 19.05	24 600	.030 .76	6.0 152	3.0 76	201	
	L288	22288	3/4 19.05	37 940	.030 .76	10.0 254	5.0 127	201	
	L290	22290	3/4 19.05	50 1270	.030 .76	14.0 355	7.0 177	201	
	L292	22292	3/4 19.05	62 1570	.030 .76	18.0 457	9.0 228	201	

BAND-IT®

WORLD HEADQUARTERS & WESTERN DISTRIBUTION CENTER

BAND-IT - IDEX, INC.
A Unit of IDEX Corporation
4799 Dahlia St.
P.O. Box 16307

Denver, Colorado 80216-0307 U.S.A.
Ph: 303-320-4555
FAX 303-333-6549

EASTERN DISTRIBUTION CENTER

BAND-IT - IDEX, INC.
A Unit of IDEX Corporation
3520 Progress Drive
Bensalem, Pennsylvania 19020 U.S.A.
Ph: 215-245-7290
FAX 215-245-7291

EUROPEAN OPERATIONS

BAND-IT Company Limited
Speedwell Industrial Estate
Staveley, Nr. Chesterfield
Derbyshire, S43 3PF England
Ph: (44) 1246-477333
FAX (44) 1246-476324

PACIFIC RIM OPERATIONS

BAND-IT Clamps (Asia) Pte. Ltd.
4 LORONG TUKANG DUA
Singapore 618990
Ph: (65) 265-8853, 265-8783
FAX (65) 265-8902



©Copyright BAND-IT - IDEX, INC.

A Unit of IDEX Corporation
Denver, Colorado U.S.A. 2001. All rights reserved