

BIOTHANE COATED WEBBING

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BIOTHANE.US 800 487 2358



BIOTHANE® PRODUCT DATA

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Properties of BioThane® test results were compiled at BioThane Coated Webbing.

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All BioThane® products are made in the U.S.A.

PROPERTIES OF BIOTHANE®

INCLUDES WEBBING & POLYMER COATING SEC 1 OF 2

COATING CLASSES BIOTHANE®	POLYMER	WEBBING	APPEARANCE	ABRASION RESISTANCE	ULTRA VIOLET RESISTANCE	FLEXIBILITY B10 WEB POUNDS FORCE TO BEND 4" SAMPLE @ 90
GOLD 100, 300	TPU	PE	GLOSSY	8	6	2.79
GRANITE® 230	TPU	PE	MATTE	7	7	2.89
GRANITE® 280	TPU	PE	SEMI-GLOSS	7	7	2.89
DIAMOND 400	TPU	PE	GLOSSY	9	5	4.26
GRIAMOND® 430	TPU	PE	MATTE	9	7	2.89
GRIAMOND® 480	TPU	PE	SEMI-GLOSS	9	7	2.89
ALPHA 500	PVC	PE	GLOSSY	6	8	3.25
BETA® 520	PVC	PE	MATTE	4	9	2.04
BETA® 560	PVC	PE	MATTE	3	9	1.00
SLATE 601	SILICONE	PE	MATTE	9	10	2.82
SLATE 651	SILICONE/TPU	PE	MATTE	9	10	3.00
FOAM 951	TPU	PE	SUEDE	3	7	0.92
FOAM 961	TPU	PE	MATTE	4	8	1.24

ASTM TEST METHOD

G155 D747 - 02

1=POOR
10=EXCELLENT



All belting data is based on one inch wide standard black belting, thickness range of .100" +/- .005".

PROPERTIES OF BIOTHANE®

INCLUDES WEBBING & POLYMER COATING SEC 2 OF 2

TENSILE, BUCKLE PULL AND ADHESION DATA REFLECT MINIMUM VALUES

COATING CLASSES BIOTHANE®	TENSILE BREAK FORCE POUNDS			BUCKLE PULL BREAK FORCE POUNDS			ADHESION POUNDS PER INCH		
	B05 WEB	B10 WEB	B30WEB	B05 WEB	B10 WEB	B30 WEB	B05 WEB	B10 WEB	B30 WEB
GOLD 100, 300	500	1000	3000	40	200	700	15	15	15
GRANITE® 230	400	1000	3000	40	200	700	12	20	17
GRANITE® 280	400	1000	3000	40	200	700	12	20	17
DIAMOND 400	500	1000	3000	40	200	700	15	15	15
GRIAMOND® 430	400	1000	3000	40	200	700	12	20	17
GRIAMOND® 480	400	1000	3000	40	200	700	12	20	17
ALPHA 500	400	1000	3000	40	200	700	15	10	N/A
BETA® 520	400	1000	3000	40	200	700	10	10	10
BETA® 560	400	1000	3000	40	200	700	10	10	N/A
SLATE 601	400	1000	3000	40	200	700	20	20	20
SLATE 651	400	1000	3000	40	200	700	20	20	20
FOAM 951	400	1000	3000	40	200	700	5	5	N/A
FOAM 961	400	1000	3000	40	200	700	5	5	N/A
ASTM TEST METHOD	D6775-02	D6775-02	D6775-02	D4831	D4831	D4831	D903-98	D903-98	D903-98

All belting data is based on one inch wide standard black belting, thickness range of .100" +/- .005".

PROPERTIES OF POLYMER COATINGS NO WEBBING

POLYMER TESTING CONDUCTED BY A2LA ACCREDITED LABORATORIES SEC 1 OF 3

COATING CLASSES BIOTHANE®		INFRARED REFLECTANCE (BLACK)	MODULUS OF RIGIDITY (BLACK)	CLASH-BERG STIFFNESS @ -35°C	TEAR RESISTANCE GRAVES @ 45k PSI	COEFFICIENT OF FRICTION	LOW TEMP BRITTLENESS	GLASS TRANSITION TEMP	VICAT SOFTENING
		PSI	°C		STATIC KINETIC	°C °F	°C	°C	
GOLD 100, 300		5870	-52.6	501	2.29 2.00	<-70 <-94	-45.0	77.2	
GRANITE® 230	PASS	9480	-51.3	411	1.65 1.43	-56 -68	-47.5	65.7	
GRANITE® 280	PASS	9480	-51.3	411	1.65 1.43	-56 -68	-47.5	65.7	
DIAMOND 400		5090	-52.9	504	1.12 0.91	<-70 <-94	-47.3	75.8	
GRIAMOND® 430	PASS	27650	-39.7	471	0.67 0.69	-60 -76	-47.5	101.3	
GRIAMOND® 480	PASS	27650	-39.7	471	0.67 0.69	-60 -76	-47.5	101.3	
ALPHA 500		52900	-32.8	359	1.23 1.10	-38 -36	-67.9	52.2	
BETA® 520		6070	-53.9	180	1.59 1.55	-49 -56	-55.5	55.3	
BETA® 560		762	-64.5	60	2.62 2.50	-56 -68	-58.0	N/A	
SLATE 601		3850	-58.0	190	1.00 0.82	<-70 <-94	-62.3	81.7	
SLATE 651	PASS	6020	-54.6	359	1.03 0.77	<-70 <-94	-62.0	78.2	
FOAM 951	PASS	697	-58.8	125	2.17 1.93	N/A	N/A	N/A	
FOAM 961		7570	-54.2	326	1.72 1.50	N/A	N/A	N/A	
ASTM TEST METHOD	AATCC EVAL. PROCEDURE 9	D1043	D1043	D624	D1894-95	D746	E1356	D1525-00	

PROPERTIES OF POLYMER COATINGS NO WEBBING

POLYMER TESTING CONDUCTED BY A2LA ACCREDITED LABORATORIES SEC 2 OF 3
 IMMERSION RESULTS - WEIGHT (W) & VOLUME (V) PERCENT CHANGE AFTER 72 HOURS @ 23°C

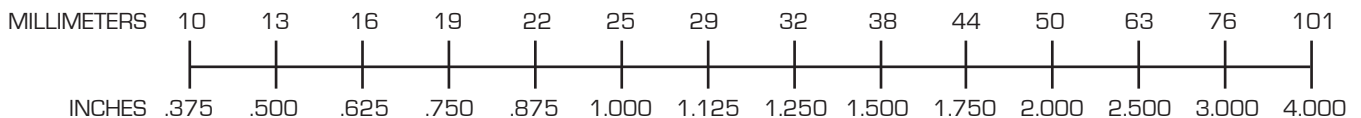
COATING CLASSES <small>BIOTHANE®</small>	ACETIC ACID 20%	UNLEADED GAS	ASTM OIL #1	SODIUM HYDROXIDE	SEA WATER	BLEACH
	W V	W V	W V	W V	W V	W V
GOLD 100, 300	4.0 4.1	28.7 40.4	-0.1 -0.1	0.8 0.8	1.0 1.0	0.8 0.8
GRANITE® 230	9.6 10.2	33.3 47.5	-0.1 -0.2	0.7 0.6	0.9 0.9	0.8 0.8
GRANITE® 280	9.6 10.2	33.3 47.5	-0.1 -0.2	0.7 0.6	0.9 0.9	0.8 0.8
DIAMOND 400	3.8 4.0	27.5 38.5	-0.1 -0.1	0.8 0.8	1.0 0.9	0.9 0.8
GRIAMOND® 430	9.6 10.2	33.3 47.5	-0.1 -0.2	0.7 0.6	0.9 0.9	0.8 0.8
GRIAMOND® 480	9.6 10.2	33.3 47.5	-0.1 -0.2	0.7 0.6	0.9 0.9	0.8 0.8
ALPHA 500	N/A	N/A	N/A	N/A	N/A	N/A
BETA® 520	20.1 24.9	-13.3 -9.7	-2.5 -3.3	0.0 -0.1	0.2 0.2	0.2 0.2
BETA® 560	1.3 1.3	-44.9 -45.6	-6.4 -7.1	0.0 -0.1	0.2 0.2	0.1 0.2
SLATE 601	2.1 2.5	51.3 79.5	-0.3 0.4	0.1 0.3	0.4 0.4	0.3 0.7
SLATE 651	3.4 3.6	40.0 59.6	-0.1 -0.1	0.6 0.6	0.7 0.7	0.7 0.8
FOAM 951	18.9 7.0	18.2 13.5	-1.6 -2.2	1.6 1.6	3.9 1.7	2.1 2.0
FOAM 961	21.1 18.3	51.9 55.3	-0.1 -0.2	1.6 1.4	2.6 2.1	1.6 1.5
ASTM TEST METHOD	D471	D471	D471	D471	D471	D471

PROPERTIES OF POLYMER COATINGS NO WEBBING

POLYMER TESTING CONDUCTED BY A2LA ACCREDITED LABORATORIES SEC 3 OF 3

COATING CLASSES BIOTHANE®	TENSILE	MODULUS @ 100%	MODULUS @ 300%	ELONGATION
	PSI	PSI	PSI	%
GOLD 100, 300	3660	846	1270	730
GRANITE® 230	2940	717	1090	680
GRANITE® 280	2940	717	1090	680
DIAMOND 400	3530	818	1220	740
GRIAMOND® 430	2470	1400	1860	690
GRIAMOND® 480	2470	1400	1860	690
ALPHA 500	2170	1110	1850	410
BETA® 520	1430	725	1280	270
BETA® 560	635	370	450	200
SLATE 601	1300	547	853	470
SLATE 651	2580	691	1060	606
FOAM 951	519	217	311	550
FOAM 961	2110	589	907	580
ASTM TEST METHOD	D412	D412	D412	D412



WIDTH OPTIONS













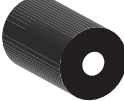
NOTE: NOT ALL WIDTHS ARE AVAILABLE IN ALL PROFILES AND COATINGS.
ALL WIDTHS HAVE TOLERANCES. PLEASE CALL FOR EXACT DIMENSIONS.

PROFILES & WEBBING

LIGHTWEIGHT WEBBING 400 POUND BREAK STRENGTH *WEBBING CODE B05

	ULTRA THIN	.030" - .040"	.76mm - 1.02mm	THICKNESS
	SUPER FLEX	.055" - .065"	1.40mm - 1.65mm	

MIDDLEWEIGHT WEBBING 1000 POUND BREAK STRENGTH *WEBBING CODE B10

	SUPER FLEX	.055" - .065"	1.40mm - 1.65mm	THICKNESS
	HIGH FLEX	.075" - .085"	1.91mm - 2.16mm	
	STANDARD	.095" - .105"	2.41mm - 2.67mm	
	GROOVED	.095" - .105"	2.41mm - 2.67mm	
	BEADED	.150" - .170"	3.81mm - 4.32mm	
	EX THICK GROOVED	.125" - .135"	3.17mm - 3.43mm	
	SUPER HEAVY	.140" - .160"	3.56mm - 4.06mm	
	SUPER HEAVY GROOVED	.140" - .160"	3.56mm - 4.06mm	
	SUPER GRIP	nominal .250"	nominal 6.35mm	
	QUARTER THICK	nominal .250"	nominal 6.35mm	
	COATED ROPE	contact sales rep for details		

HEAVYWEIGHT WEBBING 3000 POUND BREAK STRENGTH *WEBBING CODE B30

	SUPER HEAVY	.130" - .160"	3.30mm - 4.06mm	THICKNESS
	SUPER HEAVY GROOVED	.130" - .160"	3.30mm - 4.06mm	
	SUPER THICK	.175" - .195"	4.45mm - 4.95mm	
	SUPER THICK GROOVED	.175" - .195"	4.45mm - 4.95mm	

BIOTHANE® COLORS

CALL TODAY FOR A SAMPLE 800 487 2358

GOLD 100^s DIAMOND 400^s OPAQUE COLORS



BL101



WH101



SI101



RD101



WN101



BR104



VI101



BU103



BU101



YE101



TN102



GN101



GY101

GOLD 300^s DIAMOND 400^s TRANSLUCENT COLORS



PK311



GN318



GN314



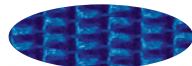
YE317



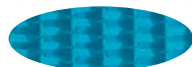
OR315



RD318



BU318



TU313



BU319

GRANITE 230^s COLORS



WH231



YE237



OR235



RD238



BU23C



BU232



GN234



TN232



BR236



BR234



BL231



BL281*

*SEMI-GLOSS GRANITE

BETA® 520^s/560^s COLORS



WH521



TN525



WN521



BR521



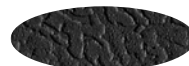
BR522



BR523



BR525



BL521



DT231



CB231/CB521



FG231



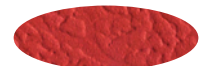
OD231/OD521

MILITARY COLORS**

BETA® 520^s/560^s COLORS



VI521



RD522



PK521



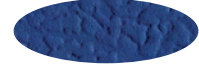
OR522



GN528



GN522



BU522



YE521



YE527



PU522



PK522



BU52B



GN529



GY523

ALL COLORS SHOWN ARE DIGITAL REPRESENTATIONS AND MAY VARY FROM THE ACTUAL COATING COLOR.

** Also available in Beta® 520 series

