

REINFORCED, SELF-ADHERING, RECTANGULAR, SILICONE TAPE**PHYSICAL AND ELECTRICAL PROPERTIES**

Mox-Tape SA and SB Series Tape is produced in the form of a rectangular cross section with a sinusoidal glass yarn web encapsulated inside of it to provide a controlled elongation. The tape is interleaved with a quick release film. It is self-bonding and self-fusing. After curing at room temperature for 24 hours, the tape forms an inseparable silicone layer that must be cut for removal.

Dielectric Strength All sizes	350 VPM Minimum
Hardness Shore "A" (ASTM D2240)	50 +/- 10
Breaking Strength	40# / inch of width
Elongation At Break (ASTM D412) SA Series SB Series	25% Minimum 15% Minimum
Temperature Range	-65 ^o to +500 ^o F
Resistivity Volume Resistivity (ASTM D991)	10 ¹³ ohm/cm. Minimum
Adhesion Tackiness (ASTM D2148)	2 P.P.I. Minimum
Military Specification SA SB	MIL-I-22444C MIL-I-22444C

NOTE: The above properties are published as a guide only, and should not be used for specification without testing in your own laboratory.

For Pricing and Information please contact:

KIEPURA AVIATION CORP

61 Church Street

Littleton, NH 03561

Tel: 603-444-3459 • Fax: 603-444-0790

Toll Free: 1-888-522-8273 (USA/Canada)

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www.kiepuraaviation.com

MOX-TAPE INFORMATION SHEET

SILICONE RUBBER, FIBERGLASS-REINFORCED, SELF-ADHERING,
CONTROLLED STRETCH TAPE

SA & SB TYPE MEETS MIL-I-22444C

12 Yard Rolls

<u>PART NO.</u>	<u>WIDTH</u>	<u>THICKNESS</u>	<u>% STRETCH</u>	<u>APPROXIMATE</u>	<u>ROLLS/CASE</u>
SA01015	1"	.015	25	.23	72
SA00520	½"	.020	25	.17	72
SA01020	1"	.020	25	.31	72
SA01050	1"	.050	25	.86	32
SB01015	1"	.015	15	.23	72
SB00520	½"	.020	15	.17	72
SB01020	1"	.020	15	.31	72
SB01050	1"	.050	15	.86	32

20 Yard Rolls

<u>PART NO.</u>	<u>WIDTH</u>	<u>THICKNESS</u>	<u>% STRETCH</u>	<u>APPROXIMATE</u>	<u>ROLLS/CASE</u>
SA01015	1"	.015	25	.39	40
SA00520	½"	.020	25	.28	40
SA01020	1"	.020	25	.52	40
SB01015	1"	.015	15	.39	40
SB00520	½"	.020	15	.28	40
SB01020	1"	.020	15	.52	40

Standard colors are red and black, specify when ordering.

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**REINFORCED. SELF-ADHERING, RECTANGULAR, SILICONE TAPE
TECHNICAL SPECIFICATIONS**

**MOX-TAPE SA 00520, .020" X .5" 12 yd or 20 yd roll
(0.508mm x 12.7mm x 10.9728m or 18.28 m**

MOX-TAPE SA 00520 Series Tape is produced in the form of a rectangular cross section with a sinusoidal glass yarn web encapsulated inside of it to provide a controlled elongation. The tape is interleaved with a quick release film. It is self-bonding and self-fusing. After curing at room temperature for 24 hours, the tape forms an inseparable silicone layer that must be cut for removal.

Dielectric Strength	350 VPM Minimum
Hardness Shore "A" (ASTM D2240)	50 +/- 10
Breaking Strength	40 lbs. (18.14kg) per 1 inch (2.540 cm) of Width
Bond Strength	+/- 0.03 2lb/inch width min. (.907 kg/25.4 mm)
Elongation At Break (ASTM D412)	25%
Temperature Range	-65° to +500° F (-53.8° to 260° C)
Resistivity Volume Resistivity (ASTM D991)	10 ¹³ ohm/cm. Minimum
Adhesion Tackiness (ASTM D2148)	2 P.P.I. Minimum
Military Specification	MIL-I-22444C

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**REINFORCED. SELF-ADHERING, RECTANGULAR, SILICONE TAPE
TECHNICAL SPECIFICATIONS
MOX-TAPE SA 03030, .030" X 3" 12 yd
(0.762mm x 76.2mm x 10.9728m)**

MOX-TAPE SA 03030 Series Tape is produced in the form of a rectangular cross section with a sinusoidal glass yarn web encapsulated inside of it to provide a controlled elongation. The tape is interleaved with a quick release film. It is self-bonding and self-fusing. After curing at room temperature for 24 hours, the tape forms an inseparable silicone layer that must be cut for removal.

Dielectric Strength	200 VPM
Breaking Strength	40 lbs. (18.14kg) per 1 inch (2.540 cm) of Width
Elongation At Break (ASTM D412)	35% MAX
Temperature Range	-65 ^o to +500 ^o F (-53.8 ^o to 260 ^o · C)
Adhesion (ASTM D2148)	2 P.P.I. Minimum
GE Specification	A50A493D

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SA (25% stretch) Series – SA00520, SA01020

MIL-I-22444C

DMS-2186 TYPE I

EMD/EMS 2074

GENERAL DYNAMICS P5189

GENERAL ELECTRIC A50A493-C

GRUMMAN GT353V

ROHR SPEC RMS315, TYPE I

SIMMONDS 151274 (BLACK)

SB (15% Stretch) Series – SB00520, SB01015, SB01020, SB01050

MIL-I-22444C

GENERAL DYNAMICS SPEC 5-00857, REV. 87/04/03, SB1020
Thickness called out

GENERAL ELECTRIC SPEC A50E112

I.B.M. 6084744

Note: Mox-Tape Products P/N: SB01020 is listed in “Outgassing Data for Selecting Spacecraft Material”, book published by NASA.