

ALCONEX GOLD® TAPE

240° Film without Adhesive



Insulation Material Description: Aromatic Polyimide Film
Thermal Class: Class S (240°C)
Alconex Part Number: Refer to next page
UL File: E321324 (contact your Alconex Sales Representative for UL File information)

DESCRIPTION:

ALCONEX GOLD® TAPE without adhesive is a polyimide film designed for high temperature applications. This product meets or exceeds UL and NEMA Class S (240°C) requirements. Additionally, it is excellent for applications requiring increased thermal, dielectric, and chemical protection.

MAIN PRODUCT FEATURES:

- Excellent dielectric protection
- Thin and conformable to uneven surfaces
- ALCONEX GOLD® thermal range: up to 260°C (500°F)

APPLICATION IDEAS:

- Electrical insulation on transformers, motors, and coils
- Masking of printed circuit boards during solder process



	1 MIL	2 MIL	3 MIL	5 MIL
BREAKDOWN VOLTAGE	6,000 V	11,000 V	12,000 V	20,000 V
DIELECTRIC CONSTANT	3.9 1kHz	3.9 1kHz	3.9 1kHz	3.9 1kHz
VOLUME RESISTIVITY (OHM-EM AT 200°C)	1 x 10 ¹⁵	1 x 10 ¹⁵	1 x 10 ¹⁵	1 x 10 ¹⁵
ELONGATION	68%	68%	68%	68%
TENSILE STRENGTH	34,000 PSI	34,000 PSI	34,000 PSI	34,000 PSI
THERMAL RANGE	< 260°C	< 260°C	< 260°C	< 260°C

Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience become available. Since we cannot anticipate all variations in actual end-use conditions, Alconex makes no warranties and assumes no liability whatsoever in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe upon any trademark or patent right.

Copyright © 2020 Alconex Specialty Products, Inc. All rights reserved. AG-NONADHTAPE-3 (11/03/20) Printed in the U.S.A.

1 MIL

ALCONEX GOLD®

NON-ADHESIVE TAPE OFFERING

Other widths and lengths are available upon request.
Contact your Alconex salesperson for availability.

THICKNESS (MILS)	PART NUMBER	WIDTH (INCHES)	ROLL SIZE
1	AG1TNA0500	0.500	36 YDS.
1	AG1TNA0625	0.625	36 YDS.
1	AG1TNA0750	0.750	36 YDS.
1	AG1TNA1000	1.000	36 YDS.
1	AG1TNA1500	1.500	36 YDS.
1	AG1TNA2000	2.000	36 YDS.
1	AG1TNA3000	3.000	36 YDS.
1	AG1TNA4000	4.000	36 YDS.

THICKNESS (MILS)	PART NUMBER	WIDTH (INCHES)	ROLL SIZE
2	AG2TNA0500	0.500	36 YDS.
2	AG2TNA0625	0.625	36 YDS.
2	AG2TNA0750	0.750	36 YDS.
2	AG2TNA1000	1.000	36 YDS.
2	AG2TNA1500	1.500	36 YDS.
2	AG2TNA2000	2.000	36 YDS.
2	AG2TNA3000	3.000	36 YDS.
2	AG2TNA4000	4.000	36 YDS.

2 MIL

ALCONEX GOLD®

NON-ADHESIVE TAPE OFFERING

Other widths and lengths are available upon request.
Contact your Alconex salesperson for availability.

THICKNESS (MILS)	PART NUMBER	WIDTH (INCHES)	ROLL SIZE
3	AG3TNA0500	0.500	36 YDS.
3	AG3TNA0625	0.625	36 YDS.
3	AG3TNA0750	0.750	36 YDS.
3	AG3TNA1000	1.000	36 YDS.
3	AG3TNA1500	1.500	36 YDS.
3	AG3TNA2000	2.000	36 YDS.
3	AG3TNA3000	3.000	36 YDS.
3	AG3TNA4000	4.000	36 YDS.

3 MIL

ALCONEX GOLD®

NON-ADHESIVE TAPE OFFERING

Other widths and lengths are available upon request.
Contact your Alconex salesperson for availability.

THICKNESS (MILS)	PART NUMBER	WIDTH (INCHES)	ROLL SIZE
5	AG5TNA0500	0.500	36 YDS.
5	AG5TNA0625	0.625	36 YDS.
5	AG5TNA0750	0.750	36 YDS.
5	AG5TNA1000	1.000	36 YDS.
5	AG5TNA1500	1.500	36 YDS.
5	AG5TNA2000	2.000	36 YDS.
5	AG5TNA3000	3.000	36 YDS.
5	AG5TNA4000	4.000	36 YDS.

5 MIL

ALCONEX GOLD®

NON-ADHESIVE TAPE OFFERING

Other widths and lengths are available upon request.
Contact your Alconex salesperson for availability.