



TITAN SC

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TECHNICAL DATA SHEET ANACONDA - TRANSPORTATION GRADE HIGH BOND ACRYLIC TAPE SERIES AT-TG-090

PRODUCT DESCRIPTION:

Titan's Anaconda Transportation Grade High Bond Acrylic Tape AT-TG-090 is a conformable acrylic foams coated with a special adhesive both sides to create a high grade pressure sensitive tape specifically for applications seen in transportation vehicle manufacturing plants and electronics.

PRODUCT CHARACTERISTICS:

- UV resistant
- Superior holding power on metals and most plastics
- Excellent ability to handle thermal cycling while maintaining holding power

APPLICATIONS:

- Panel bonding
- Bond protective molding
- Bonding dissimilar materials
- Electronics
- Die Cuts

SURFACE PREPARATION:

All surfaces should be clean, dry, and free of dust and grease. All surfaces should be abraded and/or primed using the proper abrasion pads and adhesion promoter. Contact your sales consultant for specific recommendations.

Shelf life:

12 months in unopened packaging in a cool and dry storage place at temperatures between +69° F and +100° F and 50% relative humidity.

COLOR:

Gray with a red polypropylene release liner.

Limited Warranty:

Adhesion Products warrants product to be of good quality and will replace or, at our election, refund the purchase price of any products proved to be defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, ADHESION PRODUCTS MAKES NO WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and ADHESION PRODUCTS shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.



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SIZES:

Thickness Available: .090" ($\pm 10\%$)
Widths Available: .25" wide to 17"
Length Available: 18 yards (54')

TECHNICAL SPECIFICATIONS:

180° Peel Adhesion Test

Bond tape at room temperature and testing after 2 hour dwell.
Speed: 300 \pm 10mm/Min
Tape Width: 10mm
Backing: 25 micron polyester film

Results

RT x 2 hrs. = 2400 gf/10mm
RT x 24 hrs. = 2500 gf/10mm
80°C x 250 hrs. = 2600 gf/10mm
-20°C x 259 hrs. = 2100 gf/10mm

Dynamic Shear

Bond tape at room temperature and testing after 2 hour dwell.
Speed: 200 \pm 10mm/Min
Tape Width: 10mm x 10mm
Backing: 75 micron polyester film

Results

RT x 2 hrs. = 8.2 kgf/cm²
RT x 48 hrs. = 8.3 kgf/cm²
RT x 100%RH x 250 hrs. = 8.5 kgf/cm²
80°C x 100%RH x 250 hrs. = 8.7 kgf/cm²
-20°C x 100%RH x 250 hrs. = 8.0 kgf/cm²

Static Shear

Static shear was measured at various temperatures and gram loading on stainless steel. 3.22 cm² overlap. Held load for 7 days.

Results

| | | |
|------|-------------|------|
| 23°C | 1500 g Load | Good |
| 93°C | 500 g Load | Good |

Temperature Resistance

Bonded tape at room temperature and kept for 1 hr.
Loaded 500 g weight a placed in oven. (Increase temp. 30C/5 min and recorded temperature at drop.)
Substrate: Stainless Steel
Tape Width: 20mm x 20mm
Backing: 75 micron polyester film

Results

120°C

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