# BA 81847

*Aluminum Foil with Fiberglass Cloth*



## Description:

BA 81847 is a single-sided aluminum foil / fiberglass cloth laminate tape with a silicone adhesive. The foil reflects heat and the backing resists abrasion, so it protects surrounding areas during plasma and flame spray and grit blasting. At 7.1 mil it is one of the thinnest foil/glass cloth tapes in this range, with a dielectric breakdown of 3,000 V.

## Features & Benefits:

- Heat-reflecting, abrasion-resistant foil / glass cloth backing
- Silicone adhesive rated -100 to 500 °F, prevents tape slippage after application
- 130 lb/in tensile strength
- Dielectric breakdown 3,000 V

## Applications:

Plasma and flame spray masking, including grit-blast protection

Sound and vibration dampening

Heat-reflective tapes

Wire harness bundling in aerospace and automotive engine components

| Construction/ Typical Properties | Value | |
|---|---|---|
| Color(s): | Aluminum | |
| Adhesive: | Silicone | |
| Backing: | Aluminum with glasscloth | |
| Dielectric Breakdown | 3,000 volts | |
| Elongation: | 7% | |
| | Imperial | Metric |
| Adhesive Thickness: | 4.5 mil | 114 µm |
| Backing Thickness: | 2.5 mil | 64 µm |
| Total Thickness: | 7.1 mil | 180 µm |
| Tensile Strength: | 130 lbs/in | 228 N/cm |
| Adhesion to Steel: | 60.5 oz/in | 6.6 N/cm |
| Temperature Resistance: | -100 to 500 °F | -73 – 260 °C |

The physical properties listed above are typical values and are not to be construed as specifications. Our suggestions and recommendations for use are based on tests we believe to be reliable. Bron Aerotech does not warrant that the product is fit for any particular purpose. Purchaser must determine suitability of the product for the intended use. Bron Aerotech, Inc. assumes no liability for claims beyond the replacement value of our product proved to be defective. Manufactured for and distributed by Bron Aerotech.

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