



Technical Data Sheet

S1445 Glass Cloth Silicone

Description:

Champion S1445 is a high performance glass cloth, coated with a silicone adhesive.

Features:

High reflection of radiant heat. High temperature resistant silicone adhesive. Excellent flexibility, yet durable, this product is ideal for coil and motor applications. Resists solvents, flagging in environment with extreme heat.

| <u>Physical Characteristics</u> | <u>Standard Values</u> |
|---|-------------------------------|
| Carrier | 5.6 mil Glass Cloth |
| Carrier Thickness | 5.6 mil (0.142mm) |
| Adhesive Type | Silicone |
| Adhesive Thickness | 2.0 mil (0.051mm) |
| 180° Peel Adhesion to Stainless Steel | 37 oz/in (10.5 N/25mm) |
| Available Colors..... | White |
| Total Tape Thickness | 7.7 mil (0.195 mm) |
| Temperature Range | Up to 500°F (260°C) |
| Class of Insulation | UL H / 200C |
| Dielectric Strength | 3.6 KV |
| Available Lengths | 36/60/custom |

Tape Application

To achieve ultimate adhesion, the bonding surfaces should be dry, clean and free of dirt and oils. The strength of the adhesion bond is dependent on the amount of surface area directly contacting the adhesive. Firm pressure is recommended to obtain good adhesive-to-surface contact.

*Note: Values should be used for specification purposes and are averages taken from PSTC and ASTM test methods. The Company does not warranty performance in specific applications. Since product performance may vary, each user should conduct their own test to determine the products fit for use in specific applications. The purchaser shall assume all risks and liabilities in connection therewith. Materials should be stored at 70°F (20°C) with 50% relative humidity. Champion Tape serves you better. Contact our team for qualified application support.

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