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2345 - ELECTRICAL GRADE Film – Polyimide

GENERAL DESCRIPTION

2345 is manufactured from 1.0 mil thick Polyimide backing material with 1.5 mils of high temperature silicone pressure sensitive adhesive.

APPLICATIONS

2345 is constructed to fill the requirements of a high performance polyimide backing material. 2345 is often used for applications that require holding, insulating, or wrapping. 2345 is also chosen for gold finger protection during wave solder applications.

FEATURES/BENEFITS

2345 has excellent mechanical and electrical properties as well as a high conformability. It offers outstanding resistance to cut-through, and is impact and abrasion resistant. 2345 also offers excellent dielectric strength, while the burning of the adhesive forms a non-conductive ash. This material meets the Underwriters Laboratories, Inc. Guide OANZ2 and File #E51201 specifications with a 180°C temperature rating, and it complies with UL510 for a flame retardant. The polyimide backing meets MIL-P-46112B. 2345 currently uses DuPont Kapton® brand polyimide.

PHYSICAL PROPERTIES

| | |
|----------------------------------|----------------|
| Adhesive Type | Silicone |
| Total Thickness | .0025 in. |
| Backing Thickness | .0010 in. |
| Adhesive Thickness | .0015 in. |
| Adhesion to Steel | 20 oz/in |
| Elongation | 80% |
| Operating Temperature | -100 to 500 °F |
| Break Strength | 30 lbs/in |
| Dielectric Strength | 6500 volts |
| Insulation Class | 180°C |
| Direct Electrolytic Corr. Factor | 1.0 |
| Color | Amber |



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NOTE:

1. *When applying pressure sensitive adhesive films to any surface, be sure that the surface is free from oil or other surface contaminants such as powder, dust, or release agents. Adhesive performance should be carefully checked when used on substrates containing plasticizers.*
2. *The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.*