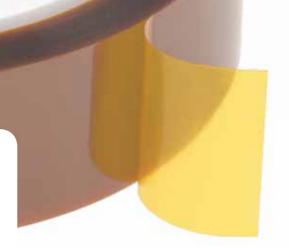
CHRTAPE. 💅



CHR[®] K SERIES

1 Mil Polyimide Pressure Sensitive Adhesive Tape

CHR K102, K103, K250 and 2345-1 are manufactured from polyimide film with high-temperature adhesive.

Features/Benefits

CHR K102, K103 and K250 have excellent mechanical and electrical properties, plus excellent dielectric strength. **CHR** K102 and K103 offer high temperature resistance and a high conformability/resistance to solvents. **CHR** K102, K103 and K250 have an outstanding resistance to cut through, and are impact and abrasion resistant. Acrylic adhesive can be thermoset. The polyimide backing meets MIL-P-46112B. **CHR** 2345-1 meets the Underwriters Laboratories, Inc. Guide File 66639 with a 180°C temperature rating and complies with UL 510 for flame retardance. **CHR** K250 and K103 meet Underwriters Laboratories, Inc. Guide File 66639 and comply with UL 510 for flame retardance. **CHR** K250 and K103 have a temperature rating of 180°C and 155°C respectively.

Availability

CHR K102 and K103 are available in master log form 33 m × 965 mm (36 yd × 38 in) wide, K250 and 2345-1 are both available in 33 m × 991 mm (36 yd × 39 in) wide. Rolls can be slit as required from 12.7 mm (0.5 in) upwards. These tapes are usually supplied without a liner (i.e., self-wound).

Applications

CHR K102, K103 and K250 are constructed to fill the requirements of high performance thermoplastic polyimide backing materials. **CHR** K102 and K103 were designed to fill the need of non-silicone adhesive gold finger connector wave solder protection. **CHR** K102 and K103 work well for both solvent and water based fluxes. **CHR** K102, K103 and K250 fill the various needs in electronic assembly and electrical insulation applications. **CHR** 2345-1 is often used for applications that require holding, insulating, or wrapping. **CHR** 2345-1 is chosen for gold finger protection during wave solder applications.





CHR K Series Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

| Product Number | K102 | K103 | K250 | 2345-1 |
|---------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|
| Backing Material | Film-Polyimide | Film-Polyimide | Film-Polyimide | Film-Polyimide |
| Adhesive Type | Acrylic | Acrylic | Silicone | Silicone |
| Total Thickness mm (mil) | 0.064 (2.5) | 0.064 (2.5) | 0.064 (2.5) | 0.064 (2.5) |
| Backing Thickness mm (mil) | 0.025 (1.0) | 0.025 (1.0) | 0.025 (1.0) | 0.025 (1.0) |
| Adhesive Thickness mm (mil) | 0.038 (1.5) | 0.038 (1.5) | 0.038 (1.5) | 0.038 (1.5) |
| Adhesion to Steel N/cm (oz/in) | 3.3 (30) | 2.7 (25) | 2.2 (20) | 2.7 (25) |
| Tensile Strength (N/cm) (lb/in) | 53 (30) | 53 (30) | 53 (30) | 53 (30) |
| Elongation (% at break) | 50 | 50 | 50 | 50 |
| Dielectric Strength (volts) | 7,000 | 7,000 | 6,500 | 6,500 |
| Direct Electrolytic Corr. | 1.0 | 1.0 | 1.0 | - |
| Operating Temperature °C (°F) | -29 to +177 (-20 to +350) | -29 to +177 (-20 to +350) | -73 to +260 (-100 to +500) | -73 to +260 (-100 to +500) |
| Insulation Class (°C) | 155 | 155 | 180 | 180 |
| Colour | Amber | Amber | Amber | Amber |



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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 6 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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