

CHR® K104

0.5 Mil Polyimide Pressure Sensitive Adhesive Tape

CHR K104 is manufactured from polyimide film with high-temperature silicone adhesive.

Features/Benefits

CHR K104 has excellent mechanical and electrical properties as well as a high conformability. **CHR** K104 offers outstanding resistance to cut-through, and is impact and abrasion resistant. They also offer 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.

Availability

Factory stock for **CHR**® K104 is in master log form 33 m x 432 mm (36 yd x 17 in) wide. Rolls can be slit 6.35 mm to 432 mm (0.25 in to 17 in) wide. **CHR** K104 is available with or without a liner.

Applications

CHR K104 is constructed to fill the requirements of a high performance thermoplastic polyimide backing materials. **CHR** K104 is designed to fill the various needs of electrical insulation requirements.



CHR K104 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	K104
Backing Material	Film-Polyimide
Adhesive Type	Silicone
Total Thickness mm (mil)	0.038 (1.5)
Backing Thickness mm (mil)	0.013 (0.5)
Adhesive Thickness mm (mil)	0.025 (1.0)
Adhesion to Steel N/cm (oz/in)	1.6 (15)
Tensile Strength N/cm (lb/in)	18 (10)
Elongation (% at break)	25
Dielectric Strength (volts)	4,000
Direct Electrolytic Corr.	1.0
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)
Insulation Class (°C)	180
Colour	Amber

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