

CHR[®] K100

Polyimide Pressure Sensitive Adhesive Tape

CHR K100 is manufactured from polyimide film with high-temperature silicone adhesive on both sides.

Features/Benefits

CHR K100 has excellent mechanical and electrical properties.

CHR K100 offers high temperature resistance and low moisture absorption. **CHR** K100 is used in high voltage insulation. The Thermoset cycle is 1-4 hours at 204°C (400°F). The polyimide backing meets MIL-P-46112B.

Availability

Factory stock for **CHR** K100 is in master log form 33 m x 711 mm (36 yd x 28 in) wide. Rolls can be slit 6.35 mm (0.25 in) to full width. **CHR** K100 is available with a liner.

Applications

CHR K100 is constructed to fill the requirements of high performance thermo-plastic polyimide backing materials along with the high temperature resistance of the silicone adhesive for a broad range of electronic assembly and electrical insulation applications.



CHR K100 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	K100
Backing Material	Film-Polyimide
Adhesive Type	Silicone
Total Thickness mm (mil)	0.114 (4.5)
Backing Thickness mm (mil)	0.025 (1.0)
Adhesive Thickness mm (mil)	0.045 / 0.045 (1.8 / 1.8)
Adhesion to Steel N/cm (oz/in)	2.2 / 2.2 (20 / 20)
Tensile Strength N/cm (lb/in)	53 (30)
Elongation (% at break)	50
Dielectric Strength (volts)	7,500
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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