

CHR® K SERIES

2 Mil Polyimide Pressure Sensitive Adhesive Tape

CHR K109, K350 and 2345-2 are manufactured by **Saint-Gobain**® Performance Plastics Corporation, Tape Solutions business, and come with polyimide film with high-temperature adhesive.

Features/Benefits

CHR K109, K350 and 2345-2 have excellent mechanical and electrical properties as well as a high conformability.

CHR K109, K350 and 2345-2 offer outstanding resistance to cut through and are impact and abrasion resistant. They also offer excellent dielectric strength, while the burning of the adhesive forms a non-conductive ash. **CHR** K350 and 2345-2 meet the Underwriters Laboratories, Inc. Guide OANZ2 and File E51201 and File E66639 specifications respectively with a 180°C temperature rating, and they comply with UL510 for flame retardance. Acrylic adhesive can be thermoset. The polyimide backing meets MIL-P-46112B, which is superseded by ASTM D5213 TY 1.

Availability

CHR K109, K350 and 2345-2 are in master log form 33 m × 965 mm (36 yd × 38 in) wide. Rolls can be slit 6.35 mm (0.25 in) to 965 mm (38 in) wide. They are all available with or without a liner.

Applications

CHR K109 and K350 are constructed to fill the requirements of a high performance thermoplastic polyimide backing materials. **CHR** K109 and K350 are designed to fill the various needs of electrical insulation requirements. 2345-2 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	K109	K350	2345-2
Backing Material	Film-Polyimide	Film-Polyimide	Film-Polyimide
Adhesive Type	Acrylic	Silicone	Silicone
Total Thickness mm (mil)	0.089 (3.5)	0.089 (3.5)	0.089 (3.5)
Backing Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)	0.051 (2.0)
Adhesive Thickness mm (mil)	0.038 (1.5)	0.038 (1.5)	0.038 (1.5)
Adhesion to Steel N/cm (oz/in)	3.3 (30)	2.2 (20)	2.7 (25)
Tensile Strength N/cm (lb/in)	88 (50)	88 (50)	88 (50)
Elongation (% at break)	75	75	75
Dielectric Strength (volts)	10,000	10,000	10,000
Direct Electrolytic Corr.	-	1.0	-
Operating Temperature °C (°F)	-29 to +177 (-20 to +350)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Insulation Class (°C)	155	180	-
Colour	Amber	Amber	Amber

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