

K Series

FILM-POLYIMIDE .5 MIL

Saint-Gobain Performance Plastics CHR® K104 is manufactured from polyimide film with high-temperature silicone adhesive.

Typical Properties

Product	K104
Backing Material	Film-Polyimide
Adhesive Type	Silicone
Total Thickness (in.)	.0015
Backing Thickness (in.)	.0005
Adhesive Thickness (in.)	.0010
Adhesion to Steel (oz./in.)	15
Tensile Strength (lbs./in.)	10
Elongation (% at break)	25
Dielectric Strength (volts)	4000
Direct Electrolytic Corr.	1.0
Operating Temperature (°F)	-100 to 500
Insulation Class (°C)	180
Color	Amber

Values shown are typical. Certified test reports for writing specifications are available.

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

Features/Benefits—K104 has excellent mechanical and electrical properties as well as a high conformability. 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 K104 is in master log form 36 yards long x 17" wide. Rolls can be slit 1/4" wide to 17" wide. Rolls can be slit 1/4" wide to 23" wide. K104 is available with or without a liner.

Saint-Gobain Performance Plastics Corporation
14 McCaffrey Street
Hoosick Falls, NY 12090
Customer Service: (800) 962-2666
Tel: (518) 686-7301
Fax: (800) 526-8479, (518) 686-4840

www.fff.saint-gobain.com

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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