

K100

FILM-POLYIMIDE

Saint-Gobain Performance Plastics CHR® K100 is manufactured from polyimide film with high-temperature silicone adhesive on both sides.

Typical Properties

Product Number	K100
Backing Material	Film-Polyimide
Adhesive Type	Silicone
Total Thickness (in.)	.0045
Backing Thickness (in.)	.001
Adhesive Thickness (in.)	.0017/.0018
Adhesion to Steel (oz./in.)	20/20
Tensile Strength (lbs./in.)	30
Dielectric Strength (volts)	7500
Direct Electrolytic Corr.	1.0
Elongation (% at break)	50
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—K100 is constructed to fill the requirements of high performance thermoplastic polyimide backing materials along with the high temperature resistance of the silicone adhesive for a broad range of electronic assembly and electrical insulation applications.

Features/Benefits—K100 has excellent mechanical and electrical properties, plus excellent dielectric strength. K100 offers high temperature resistance and low moisture absorption. K100 is used in high voltage insulation. The Thermoset cycle is 1-4 hours at 400°F. The Polyimide backing meets MIL-P-46112B.

Availability—Factory stock for K100 is in master log form 36 yards long x 23" wide. Rolls can be slit 1/4" wide to 23" wide. K100 is available with 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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