

# SGK5-05

## PARA-ARAMID-PTFE

Saint-Gobain Performance Plastics CHR® SGK5-05 is manufactured from extra strength, para-aramid (phenyleneterephthalamide) fiber cloth impregnated with a dispersion of anti-static PTFE (polytetrafluoroethylene) coated with a high temperature silicone pressure-sensitive adhesive. The anti-static version of this product is black, providing protection from UV damage, to which para-aramid (phenyleneterephthalamide) fiber cloth is susceptible. Resistivity of this version is less than 10<sup>6</sup> ohms/square.

### Typical Properties

Product Number	SGK5-05
Backing Material	PTFE-Coated Para-Aramid Fabric
Adhesive Type	Super Stick Silicone
Total Thickness (in.)	.007
Backing Thickness (in.)	.005
Adhesive Thickness (in.)	.002
Adhesion to Steel (oz./in.)	25
Break Strength (lbs./in.) warp/fill	200/200
Trapezoidal Tear (lbs./in.) warp/fill	10/12
Resistivity (ohms/square)	<10 <sup>6</sup>
Elongation (% at break)	103
Operating Temperature (°F)	-100 to 500
Color	Black

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

**Applications**—Saint-Gobain Performance Plastics CHR SGK5-05 is specifically designed to resist abrasion, and provide added strength in high temperature wrapping applications where standard fiberglass cloth does not provide adequate chemical resistance and/or low friction release.

**Features/Benefits**—Anti-static PTFE coated para-aramid cloth provides strength, flexibility, slip, chemical resistance and UV stabilization in harsh environments where protection against abrasion commonly wears out standard fiberglass

harness wraps. Low coefficient of friction PTFE adds another dimension to harness wrapping by providing a measure of “lubricity.” Additionally, PTFE extends high temperature resistance to plain para-aramid (phenyleneterephthalamide) fiber cloth.

**Availability**—SGK5-05 is only available in finished, converted slit roll form; 1.5 in. x 36 yard, packed 8 rolls per case.

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](http://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.

**NOTE:** Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

CHR® is a registered trademark  
©2005 Saint-Gobain Performance Plastics Corporation  
AFF-1411-PDF-0905-SGCS