

# Anti-Static SG55

## GLASS-PTFE

Saint-Gobain Performance Plastics CHR® Anti-Static SG55 is fiberglass fabric impregnated with PTFE (polytetrafluoroethylene) dispersion and coated with high-temperature, pressure-sensitive silicone adhesive.

### Typical Properties

| Product Number              | SG55-03                             | SG55-06                             |
|-----------------------------|-------------------------------------|-------------------------------------|
| Backing Material            | PTFE-Coated<br>Fiberglass<br>Fabric | PTFE-Coated<br>Fiberglass<br>Fabric |
| Adhesive Type               | Super<br>Stick<br>Silicone          | Super<br>Stick<br>Silicone          |
| Total Thickness (in.)       | .0053                               | .0083                               |
| Backing Thickness (in.)     | .0030                               | .0060                               |
| Adhesive Thickness (in.)    | .0023                               | .0023                               |
| Adhesion to Steel (oz./in.) | 50                                  | 50                                  |
| Elongation (% at break)     | <5                                  | <5                                  |
| Operating Temperature (°F)  | -100 to 500                         | -100 to 500                         |
| Color                       | Black                               | Black                               |

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

**Applications**—Saint-Gobain Performance Plastics Anti-Static SG55 is frequently used by the packaging industry as a release surface on heat sealers, blister formation and form-fill-seal equipment. The durability and anti-stick properties of SG55 also make it an ideal material for the lining of guide rails, chutes and slides. The high temperature capabilities and non-stick properties of SG55 allow it to perform as an excellent release surface in the composite aircraft industry.

**Features/Benefits**—SG55 is a very durable and versatile product. The combination of PTFE, fiberglass and a high temperature silicone adhesive allows SG55 to perform in continuous temperatures up to 500°F. SG55 is dimensionally stable and resistant to tears, punctures, abrasion and wear. It will not “cold flow” under heavy loads.

**Availability**—SG55 is available in 3 and 6 mil thicknesses and widths from 1/4" to 39" wide. Standard roll length is 18 or 36 yards long. SG55 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](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  
©2004 Saint-Gobain Performance Plastics Corporation  
AFF-1103-PDF-0304-SGCS