

# Industrial SG35

## GLASS-PTFE

Saint-Gobain Performance Plastics CHR® Industrial SG35 is fiberglass fabric impregnated with PTFE (polytetrafluoroethylene) dispersion and coated with high-temperature, pressure-sensitive silicone adhesive.

### Typical Properties

Product Number	SG35-03	SG35-05	SG35-06	SG35-10
Backing Material	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric
Adhesive Type	Super Stick Silicone	Super Stick Silicone	Super Stick Silicone	Super Stick Silicone
Total Thickness (in.)	.0053	.0073	.0083	.0105
Backing Thickness (in.)	.0030	.0050	.0060	.0080
Adhesive Thickness (in.)	.0023	.0023	.0023	.0025
Adhesion to Steel (oz./in.)	50	60	65	80
Elongation (% at break)	<5	<5	<5	<5
Operating Temperature (°F)	-100 to 500	-100 to 500	-100 to 500	-100 to 500
Color	Natural	Natural	Natural	Natural

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

**Applications**—Saint-Gobain Performance Plastics Industrial SG35 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 SG35 also make it an ideal material for the lining of guide rails, chutes and slides. The high temperature capabilities and non-stick properties of SG35 allow it to perform as an excellent release surface in the composite aircraft industry.

**Features/Benefits**—SG35 is a very durable and versatile product. The combination of PTFE, fiberglass and a high-temperature silicone adhesive allows SG35 to perform in continuous

temperatures up to 500°F. SG35 is dimensionally stable and resistant to tears, punctures, abrasion and wear. It will not “cold flow” under heavy loads.

**Availability**—SG35 is available in 3, 5, 6 and 10 mil thicknesses and widths from 1/4" to 39" wide. Standard roll length is 18 or 36 yards long. SG35 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)

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