

# High Performance SG15

## GLASS-PTFE

Saint-Gobain Performance Plastics CHR® High Performance SG15 is fiberglass fabric impregnated with PTFE (polytetrafluoroethylene) dispersion and coated with high-temperature, pressure-sensitive silicone adhesive.

### Typical Properties

Product Number	SG15-03	SG15-05	SG15-06	SG15-10	SG15-14
Backing Material	PTFE-Coated Fiberglass Fabric	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	Super Stick Silicone
Total Thickness (in.)	.0053	.0073	.0083	.0125	.0165
Backing Thickness (in.)	.0030	.0050	.0060	.0100	.0140
Adhesive Thickness (in.)	.0023	.0023	.0023	.0025	.0025
Adhesion to Steel (oz./in.)	50	60	65	80	80
Elongation (% at break)	<5	<5	<5	<5	<5
Operating Temperature (°F)	-100 to 500	-100 to 500	-100 to 500	-100 to 500	-100 to 500
Color	Natural	Natural	Natural	Natural	Natural

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

**Applications**—Saint-Gobain Performance Plastics High Performance SG15 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 SG15 also make it an ideal material for the lining of guide rails, chutes and slides. The high temperature capabilities and non-stick properties of SG15 allow it to perform as an excellent release surface in the composite aircraft industry.

**Features/Benefits**—SG15 is a very durable and versatile product. The combination of PTFE, fiberglass and a high temperature silicone adhesive allows SG15 to perform in continuous

temperatures up to 500°F. SG15 is dimensionally stable and resistant to tears, punctures, abrasion and wear. It will not “cold flow” under heavy loads.

**Availability**—SG15 is available in 3, 5, 6, 10 and 14 mil thicknesses and widths from 1/4" to 39" wide. Standard roll length is 18 or 36 yards long. SG15 is available with or without a liner.

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