

High Performance SG16

GLASS-PTFE

Saint-Gobain Performance Plastics CHR® High Performance SG16 is fiberglass fabric impregnated with PTFE (polytetrafluoroethylene) dispersion and coated with high-temperature, pressure-sensitive silicone adhesive.

Typical Properties

Product Number	SG16-03	SG16-05	SG16-06	SG16-10	SG16-14
Backing Material	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric
Adhesive Type	Clean Release Silicone	Clean Release Silicone	Clean Release Silicone	Clean Release Silicone	Clean Release Silicone
Total Thickness (in.)	.0050	.0070	.0080	.0120	.0160
Backing Thickness (in.)	.0030	.0050	.0060	.0100	.0140
Adhesive Thickness (in.)	.0020	.0020	.0020	.0020	.0020
Adhesion to Steel (oz./in.)	45	50	55	70	70
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 SG16 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 SG16 also make it an ideal material for the lining of guide rails, chutes and slides. The high temperature capabilities and non-stick properties of SG16 allow it to perform as an excellent release surface in the composite aircraft industry.

Features/Benefits—SG16 is a very durable and versatile product. The combination of PTFE, fiberglass and a high-temperature silicone adhesive allows SG16 to perform in continuous

temperatures up to 500°F. SG16 is dimensionally stable and resistant to tears, punctures, abrasion and wear. It will not “cold flow” under heavy loads.

Availability—SG16 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. SG16 is available with or without a liner.

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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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