

CHR® SG15

PTFE Coated Glass Cloth Tapes

Saint-Gobain® SG15 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a high performance fiberglass fabric impregnated with Polytetrafluoroethylene (PTFE) dispersion and coated with a pressure sensitive silicone adhesive that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

SG15 is a very durable and versatile product. The combination of PTFE, fiberglass and high heat silicone adhesive ranges as noted in this data sheet intends SG15 to perform in continuous temperatures up to 260°C (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 6.35 to 991 mm (0.25 to 39 in). Standard roll length is 16 or 33 m long (18 or 36 yd). SG15 is available with or without a liner.

Applications

Saint-Gobain 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 capabilities of high heat ranges as noted in this data sheet and non-stick properties of SG15 intend it to perform as an excellent release surface in the composite aircraft industry.



CHR SG15 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Product Number	SG15-03	SG15-05	SG15-06	SG15-10	SG15-14
Backing Material	High Performance PTFE Coated Fiberglass Fabric	High Performance PTFE Coated Fiberglass Fabric	High Performance PTFE Coated Fiberglass Fabric	High Performance PTFE Coated Fiberglass Fabric	High Performance PTFE Coated Fiberglass Fabric
Adhesive Type	Silicone	Silicone	Silicone	Silicone	Silicone
Total Thickness mm (mil)	0.135 (5.3)	0.185 (7.3)	0.211 (8.3)	0.318 (12.5)	0.419 (16.5)
Backing Thickness mm (mil)	0.076 (3.0)	0.127 (5.0)	0.152 (6.0)	0.254 (10.0)	0.356 (14.0)
Adhesive Thickness mm (mil)	0.058 (2.3)	0.058 (2.3)	0.058 (2.3)	0.064 (2.5)	0.064 (2.5)
Adhesion to Steel N/cm (oz/in)	5.5 (50)	6.6 (60)	7.1 (65)	8.8 (80)	8.8 (80)
Elongation (% at break)	<5	<5	<5	<5	<5
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)	-73 to +260 (-100 to +500)
Color	Brown	Brown	Brown	Brown	Brown

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: This document should not be considered a warranty or a guarantee. The descriptions of the Product provided hereinabove may vary based on specifications requested and testing protocols. Typically, Saint-Gobain warrants that product(s) will meet mutually agreed specifications at delivery and Saint-Gobain honors any breach of warranty claims for six (6) months from delivery of the products. If a product is determined to be nonconforming with its warranty, Saint-Gobain's sole obligation is, at its option, to either replace the nonconforming products or reimburse the purchase price for the same.

The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE.

Form #1520 | © Saint-Gobain February 2025 | All the mentioned trademarks are registered trademarks of Saint-Gobain Tape Solutions or affiliates, part of Saint-Gobain group.



TAPE SOLUTIONS

North America | South America
Europe | Asia

For more information, please visit
tapesolutions.saint-gobain.com