

CHR[®] SG25

PTFE Coated Glass Cloth Tapes

Saint-Gobain[®] SG25 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a 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

SG25 is a very durable and versatile product. The combination of PTFE, fiberglass and a high temperature silicone adhesive allows SG25 to perform in continuous temperatures up to 260°C (500°F). SG25 is dimensionally stable and resistant to tears, punctures, abrasion and wear. It will not “cold flow” under heavy loads.

Availability

SG25 is available in 3, 5, 6 and 10 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). SG25 is available with or without a liner.

Applications

Saint-Gobain SG25 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 SG25 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 SG25 allow it to perform as an excellent release surface in the composite aircraft industry.



CHR SG25 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	SG25-03	SG25-05	SG25-06	SG25-10
Backing Material	PTFE Coated Fiberglass Fabric	PTFE Coated Fiberglass Fabric	PTFE Coated Fiberglass Fabric	PTFE Coated Fiberglass Fabric
Adhesive Type	Silicone	Silicone	Silicone	Silicone
Total Thickness mm (mil)	0.135 (5.3)	0.185 (7.3)	0.211 (8.3)	0.292 (11.5)
Backing Thickness mm (mil)	0.076 (3.0)	0.127 (5.0)	0.152 (6.0)	0.229 (9.0)
Adhesive Thickness mm (mil)	0.058 (2.3)	0.058 (2.3)	0.058 (2.3)	0.064 (2.5)
Adhesion to Steel N/cm (oz/in)	5.5 (50)	6.6 (60)	7.1 (65)	8.8 (80)
Elongation (% at break)	<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)
Color	Brown	Brown	Brown	Brown

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