

CHR[®] SGB6

PTFE Coated Glass Cloth Tapes

Saint-Gobain[®] CHR SGB6 is manufactured by **Saint-Gobain Performance Plastics Corporation**, Tape Solutions business, and comes with a brown 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

SGB6 is a laminate construction offering an additional 0.001" (1 mil) of **Chemlam[®]** PTFE over the entire surface of the impregnated cloth, delivering a product with exceptional durability and longevity. The combination of uniform and pin-hole free film enables SGB6 to outperform thicker PTFE-coated fiberglass tapes. SGB6 is dimensionally stable and resistant to tears, punctures, abrasion and wear.

Availability

SGB6 is available in 4, 6 and 10 mil thicknesses and widths from 6.35 to 914.4 mm (0.25 to 36 in). Standard roll length is 16 or 33 m long (18 or 36 yd). SGB6 is available with or without a liner.

Applications

CHR SGB6 is frequently used by the packaging industry as a release surface on heat sealers, blister formation and form-fill-seal equipment where heavy production demands a product with more release surface material. The durability and anti-stick properties of SGB6 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 SGB6 intend it to perform as an excellent release surface in severe industrial environments, platen covers, dry can covers and the composite aircraft industry.



CHR SGB6 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	SGB6-04	SGB6-06	SGB6-10
Backing Material	PTFE Coated Fiberglass Fabric	PTFE Coated Fiberglass Fabric	PTFE Coated Fiberglass Fabric
Adhesive Type	Silicone	Silicone	Silicone
Total Thickness mm (mil)	0.160 (6.3)	0.201 (7.9)	0.290 (11.4)
Backing Thickness mm (mil)	0.109 (4.3)	0.150 (5.9)	0.239 (9.4)
Adhesive Thickness mm (mil)	0.051 (2.0)	0.051 (2.0)	0.051 (2.0)
Adhesion to Steel N/cm (oz/in)	5.0 (45)	5.5 (50)	6.0 (55)
Elongation (% at break)	<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)
Color	Brown	Brown	Brown

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