

# CHR<sup>®</sup> SGC6

## PTFE Coated Glass Cloth Tapes

**Saint-Gobain<sup>®</sup> CHR** Tape SGC6 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a copper 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

SGC6 is a laminate construction offering an additional 0.001" (1 mil) of **Chemlam<sup>®</sup>** 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 SGC6 to outperform thicker PTFE-coated fiberglass tapes. SGC6 is dimensionally stable and resistant to tears, punctures, abrasion and wear.

## Availability

SGC6 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). SGC6 is available with or without a liner.

## Applications

**CHR** SGC6 is frequently used by the packaging industry as a release surface on heat sealers, blister formation and form-fill equipment where heavy production demands a product with more release surface material. The durability and anti-stick properties of SGC6 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 SGC6 intend it to perform as an excellent release surface in severe industrial environments, platen covers, dry can covers and the composite aircraft industry.



**CHR SGC6 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	SGC6-04	SGC6-06	SGC6-10
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	Copper	Copper	Copper

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