

CHR® SGC5-6

PTFE Coated Glass Cloth Silicone Pressure Sensitive Adhesive Tape

Saint-Gobain® CHR SGC5-6 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with fiberglass fabric filled with PTFE and coated with premium adhesive that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

CHR SGC5-6 utilizes a superior high temperature adhesive functional for 8 hours or more at 315°C (600°F). The higher temperature performance allows for higher plastic sealing and/or welding efficiency. Premium **Chemlam®** substrate offers an additional 0.001" of PTFE for longer life and less downtime. SGC5-6 is dimensionally stable preventing lift up, resistant to tears, punctures, abrasion, and wear.

Availability

Factory stock for **CHR** SGC5-6 is in master rolls 33 m × 914 mm (36 yd × 36 in). Rolls can be slit in widths ranging from 6.35 mm to 914 mm (0.25 in to 36 in). **CHR** SGC5-6 is available with or without a release liner.

Applications

CHR SGC5-6 is used as a non-stick surface in the packaging industry and window manufacturing. The tape is used as a durable release surface on heat sealers, blister formation, and form-fill equipment. It is also used as a premium release surface in PVC window welding where higher temperatures can achieve more throughput. SGC5-6 can also be used in composite molding fabrication processes as a release surface lining the mold.



CHR SGC5-6 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	Test method	SGC5-6
Backing Material		PTFE Coated Fiberglass Fabric
Adhesive Type	ASTM D1000	Silicone
Total Thickness mm (in)	ASTM D1000	0.201 (0.0079)
Backing Thickness mm (in)	ASTM D1000	0.150 (0.0059)
Adhesive Thickness mm (in)	ASTM D1000	0.051 (0.002)
Adhesion to Steel N/cm (oz/in)	ASTM D1000	6.0 (55)
Elongation (% at break)		<5
Operating Temperature °C (°F)		-40 to +260 (-40 to +500)
Color		Copper

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