

CHEMLAM[®] Copper SGC6 GLASS-PTFE

Saint-Gobain Performance Plastics CHR[®] CHEMLAM Copper SGC6 is fiberglass fabric impregnated with PTFE (polytetrafluoroethylene) dispersion, laminated to PTFE film and coated with high-temperature, pressure-sensitive silicone adhesive.

Typical Properties

Product Number	SGC6-04	SGC6-06	SGC6-10
Backing Material	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric	PTFE-Coated Fiberglass Fabric
Adhesive Type	Clean Release Silicone	Clean Release Silicone	Clean Release Silicone
Total Thickness (in.)	.0063	.0079	.0115
Backing Thickness (in.)	.0043	.0059	.0095
Adhesive Thickness (in.)	.0020	.0020	.0020
Adhesion to Steel (oz./in.)	45	50	55
Elongation (% at break)	<5	<5	<5
Operating Temperature (°F)	-100 to 500	-100 to 500	-100 to 500
Color	Copper	Copper	Copper

Values shown are typical. Certified test reports for writing specifications are available.

Applications—Saint-Gobain Performance Plastics Copper SGC6 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 SGC6 also make it an ideal material for the lining of guide rails, chutes and slides. The high temperature capabilities and non-stick properties of SGC6 allow it to perform as an excellent release surface in severe industrial environments, platen covers, dry can covers and the composite aircraft industry.

Features/Benefits—SGC6 is a laminate construction offering an additional 0.001" (1 mil) of PTFE over the entire surface of the impregnated cloth. This makes an even more durable and longer lasting product than our standard SGXX

tapes. Copper film contains modified PTFE dispersion which results in a harden surface. The combination of uniform, pin-hole-free and hardened film enables CHEMLAM Copper tapes to outperform thicker, higher grade PTFE coated fiberglass tapes at similar prices. 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 1/4" to 37" wide. Standard roll length is 18 or 36 yards long. SGC6 is available with or without a liner.

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Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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