

CHR® SGK5-05

Para-Aramid Wiring Harness Tape

CHR SGK5-05 is manufactured by **Saint-Gobain**® Performance Plastics Corporation, Tape Solutions business, and comes from extra-strength, para-aramid (phenyleneterephthalamide) fiber cloth, impregnated with a dispersion of anti-static PTFE (polytetrafluoroethylene). This high-performance coated fabric then has a layer of high temperature silicone adhesive applied to one side. The black pigmentation provides anti-static performance and protection from UV damage, to which para-aramid fiber cloth is susceptible. Resistivity of this version is less than 10^6 ohms/in².

Features/Benefits

Anti-static PTFE coated para-aramid cloth would help in strength, flexibility, slip, chemical resistance and UV stabilization in harsh environments where protection against abrasion commonly wears out standard fiberglass harness wraps. Low coefficient of friction PTFE adds another dimension to harness wrapping by providing a measure of “lubricity.” Additionally, PTFE extends high temperature resistance to plain para-aramid (phenyleneterephthalamide) fiber cloth.

Availability

CHR SGK5-05 is available only in 0.127 mm (5.0 mil) thicknesses. Factory stock as Master Rolls are 33 m long by 1,219 mm (36 yd × 48 in) wide. Slit rolls are available from 12 mm (0.5 in) wide. **CHR** SGK5-05 is available with or without a liner. The lined version is referenced as **CHR** SGK5-05R.

Applications

CHR SGK5-05 is specifically designed to resist abrasion, and provide added strength in high temperature cable wrapping applications where standard fiberglass cloth do not provide adequate chemical resistance and/or low friction release.



CHR SGK5-05 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	SGK5-05
Backing Material	PTFE Coated Para-Aramid Woven Fabric
Adhesive Type	Super Stick Silicone
Total Thickness mm (mil)	0.178 (7.0)
Backing Thickness mm (mil)	0.127 (5.0)
Adhesive Thickness mm (mil)	0.051 (2.0)
Adhesion to Steel N/cm (oz/in)	2.7 (25)
Tensile Strength N/cm (lb/in) warp × weft	350 × 350 (200 × 200)
Elongation at Break (%)	3
Resistivity (ohms/in ²)	<10 ⁶
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)
Colour	Black

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