

CHR[®] 29A5-8

Glass-Silicone Pressure Sensitive Adhesive Tape

CHR 29A5 is manufactured by **Saint-Gobain[®]** Performance Plastics Corporation, Tape Solutions business, and comes with a silicone rubber/glass cloth backing coated with an aggressive silicone adhesive without a liner that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

Very narrow widths below 9mm are easier to slit without a liner, and the tape is easier to apply in a continuous motion without the need to remove the liner. **CHR 29A5** tape is intended to withstand both the punishing abrasion of grit blasting and the extreme temperatures/pressures associated with the plasma spray process. **CHR 29A5** has a silicone adhesive that can sustain high heat ranges as noted in this data sheet, which allows the product to withstand temperatures up to 315°C during the coating process. **CHR 29A5** tape has excellent strength and flexibility, which allows for easy wrapping of complex shapes and minimizes wrinkling during the flexing of cable.

Availability

Factory stock for **CHR 29A5** is in master rolls 33 meters length × 610 mm (36 yards × 24 in) usable width. Rolls can be slit in widths below 6 mm up to the full width of 610 mm (below 0.25 in up to 24 in). **CHR 29A5** is made without a liner but can also be supplied with a liner.

Applications

CHR 29A5 is used in the plasma spray process—a method of applying thin coatings of metal or high-temperature ceramics to a surface. The coating is sprayed at high pressure and at extreme temperatures. The tape is applied adjacent to areas of parts, which are to be plasma sprayed. **CHR 29A5** tape protects these areas both from the grit blasting, which is used as a surface preparation, and from the actual plasma spray coating. The aerospace industry is the prime market for the use of plasma spray tapes, specifically, jet engine manufacturers, overhaul centers, major airline maintenance centers, Air Force Bases and Naval Air Rework Facilities (NARF'S).



CHR 29A5-8 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	29A5-8
Backing Material	Glass-Silicone
Adhesive Type	Silicone
Total Thickness mm (mil)	0.267 (10.5)
Backing Thickness mm (mil)	0.178 (7)
Adhesive Thickness mm (mil)	0.089 (3.5)
Adhesion to Steel N/cm (oz/in)	5.5 (50)
Tensile Strength N/cm (lb/in)	263 (150)
Dielectric Strength (volts)	7,000
Elongation (% at break)	5
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)
Colour	White

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