



CHR[®] 2965-8R

Glass-Silicone Pressure Sensitive Adhesive Tape

CHR 2965 is manufactured by **Saint-Gobain[®]** Performance Plastics Corporation, Tape Solutions business, and comes with a silicone rubber/glass cloth backing coated with a silicone adhesive that can sustain high heat ranges as noted in this data sheet.

Features/Benefits

CHR 2965 tape is intended to withstand both the punishing abrasion of grit blasting and the extreme temperatures/pressures associated with the plasma spray process. **CHR 2965** 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 260°C during the coating process. **CHR 2965** tape has excellent strength and flexibility, which allows for easy wrapping of complex shapes.



Availability

Factory stock for 2965 is in master rolls 33 m × 1219 mm (36 yd × 48 in). Rolls can be slit in widths ranging from 6.35 mm to 1219 mm (0.25 in to 48 in). **CHR 2965** is available with a yellow PVC liner.

Applications

CHR 2965 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 2965** tape is intended to protect 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.

CHR 2965-8R 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	2965-8R
Backing Material	Glass-Silicone
Adhesive Type	Silicone
Total Thickness mm (mil)	0.267 (10.5)
Backing Thickness mm (mil)	0.178 (7.0)
Adhesive Thickness mm (mil)	0.089 (3.5)
Adhesion to Steel N/cm (oz/in)	5.0 (45)
Tensile Strength N/cm (lb/in)	175 (100)
Dielectric Strength (volts)	4,000
Elongation (% at break)	15
Operating Temperature °C (°F)	-73 to +260 (-100 to +500)
Colour	Blue

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