

2965/2975

GLASS-SILICONE

Saint-Gobain Performance Plastics CHR® 2965-8R and 2975-8R are manufactured from silicone rubber/fiberglass cloth backing coated with high-temperature adhesive.

Typical Properties

Product Number	2965-8R	2975-8R
Backing Material	Glass-Silicone	Glass-Silicone
Adhesive Type	Silicone	Silicone
Total Thickness (in.)	.0105	.0105
Backing Thickness (in.)	.0070	.0070
Adhesive Thickness (in.)	.0035	.0035
Adhesion to Steel (oz./in.)	45	50
Tensile Strength (lbs./in.)	100	150
Dielectric Strength (volts)	4000	7000
Elongation (% at break)	15	5
Operating Temperature (°F)	-100 to 500	-100 to 500
Color	Blue	White

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

Applications—2965 and 2975 are 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. These tapes 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 (NARF'S).

Features/Benefits—2965 and 2975 tapes are designed to withstand both the punishing abrasion of grit blasting and the extreme

temperatures/pressures associated with the plasma spray process. The adhesive is a high-temperature silicone, which allows the product to withstand continuous temperatures up to 500°F and also prevents tape slippage after application. These tapes have excellent strength and flexibility, which allows for easy wrapping of complex shapes and minimizes wrinkling during the flexing of cables.

Availability—Factory stock for 2965 and 2975 is in master rolls 36 yards by 36". Rolls can be slit in widths ranging from 1/4 to 36". They are available with either a yellow PVC liner (2975-8RY) or a Fluorosilicone liner (2975-8RK).

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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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