

23816

GLASS-SILICONE

Saint-Gobain Performance Plastics CHR® 23816 is manufactured from silicone rubber/fiberglass cloth backing coated with high-temperature silicone adhesive.

Typical Properties

Product Number	23816
Backing Material	Glass-Silicone
Adhesive Type	Silicone
Total Thickness (in.)	.0120
Backing Thickness (in.)	.0080
Adhesive Thickness (in.)	.0040
Adhesion to Steel (oz./in.)	50
Tensile Strength (lbs./in.)	100
Dielectric Strength (volts)	7000
Operating Temperature (°F)	-100 to 500
Color	White

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

Applications—23816 tape 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, that are to be plasma sprayed. 23816 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).

Features/Benefits—23816 tape is designed to withstand both the punishing abrasion of grit blasting and the extreme temperatures/pressures associated with the plasma spray process. The adhesive of 23816 is a high-temperature silicone, which allows the product to withstand continuously temperatures up to 500°F and also prevents tape slippage after application. 23816 tape has excellent strength and flexibility, which allows for easy wrapping of complex shapes and minimizes wrinkling during the flexing of cables.

Availability—Factory stock for 23816 is in master rolls 36 yards by 36". Rolls can be slit in widths ranging from 1/4 to 36". 23816 is available with 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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