

H7525/H7575

GLASS-SILICONE

Saint-Gobain Performance Plastics CHR® H7525 and H7575 (HVOF) are heavy-duty pressure-sensitive tapes used for thermal spray masking. They are manufactured by combining multiple layers of silicone rubber, aluminum foil and fiberglass coated with aggressive high-temperature silicone adhesive. HVOF means High Velocity Oxygen Fuel spray technique.

Typical Properties

Product Number	H7525	H7575
Backing Material	Glass-Silicone	Glass-Silicone
Adhesive Type	Silicone	Silicone
Total Thickness (in.)	.0175	.0210
Backing Thickness (in.)	.0150	.0175
Adhesive Thickness (in.)	.0025	.0035
Adhesion to Steel (oz./in.)	50	50
Tensile Strength (lbs./in.)	125	180
Operating Temperature (°F)	-100 to 500	-100 to 500
Color	White	White

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

Applications—H7525 and H7575 are used as high-temperature masking tapes in thermal spray and high velocity oxygenated fuel (HVOF) processes. The tapes are used to protect portions of the part being processed so that it is not exposed to spray. They are used primarily in the aircraft industry in their repair shops as well as in other markets where thermal spraying is used.

Features/Benefits—H7525 and H7575 have exceptional abrasion resistance and adhesion properties, which allows the tapes to wear very well during the spraying process. These tapes are also very conformable and can be used for many part configurations. They can continuously withstand temperatures up to 500°F.

Availability—Factory stock for both H7525 and H7575 is in master rolls 36 yards by 36". Rolls can be slit in widths ranging from 1/4 to 36" on 3" ID cores. H7525 is supplied with a kraft paper release liner. H7575 is supplied with a yellow plastic release 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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