

CHR® Pressure-Sensitive Adhesive Tapes

Silicone Glass

These premium tapes are designed to withstand the most demanding plasma and flame spray, and grit-blasting applications. They are constructed of a silicone rubber and glass fabric composite and have excellent abrasion resistance.

Foil Glass

These tapes are an excellent choice for combining conformability with thermal and abrasion resistance. Consisting of aluminum foil (26020) or a thin aluminum foil laminated to a glass fabric (2925-7 and 6004), they perform well in a wide range of applications.

Heavy Duty Foil Glass

A heavy-duty version of 2925-7, the 2925-11 tape is constructed with .005" of foil for tough applications, including HVOF. 2995-11R is a high adhesion version of 2925-11, which has been used successfully in HVOF applications. An economical choice, 2915-7 is composed of a tightly woven, high tensile glass fabric, with silicone adhesive on one side. 2915-10 is a thicker version of 2915-7 for abrasion resistance.

Glass Fabric

Versatile and reliable, these tapes perform superbly as a masking tape or, when used together with our premium tapes, as an underwrap. 2905-7R is a glass fabric tape coated with adhesive on both sides for superior bonding. 2905-10R is a thicker version of 2905-7R for greater strength.

Features/Benefits

- Wide range of products
- Highly conformable
- Excellent thermal and abrasion resistance
- Custom products available

Heavy Duty Multi-Plies

Exceptional abrasion resistance and adhesion properties make these tapes ideal for demanding applications, including HVOF. H7525 and H6595 are multi-layer tapes composed of silicone rubber, aluminum foil and fiberglass coated with an aggressive high temperature silicone adhesive. H7575 is a multi-layer tape composed of silicone rubber and glass cloth coated with an aggressive high temperature silicone adhesive.

Flame Spray Processes

- **Grit/Bead/Shot Blasting** is a pre-process step where abrasive materials are discharged at the target to strip/clean/prepare the surface to promote adhesion of various coatings.
- **Flame Spray and Thermal Spray** are generic terms for the various thermal processes for depositing ceramic, metal and plastic powders onto a variety of materials.
- **Plasma Spray** introduces powders into an electrical or combustion initiated high energy flame directed toward a variety of materials with the help of pressurized gas/air.
- **HVOF (High Velocity, Oxygen Fuel)** is a high velocity (550m/sec) process where fine powders are introduced into a stream of pressurized fuel and oxygen.

Flame Spray Masking

The leader in masking tapes for the thermal spray industry brings you a complete line of tape products. For applications ranging from grit-blasting and plasma spray to the special demands of HVOF, CHR® tapes offer excellent thermal and abrasion resistance while protecting adjacent surfaces from the spray. CHR tapes will not lift off or fray, and are designed to release easily without leaving adhesive residue.



HVOF



Plasma

CHR® Pressure Sensitive Adhesive Tapes — Flame Spray Masking

Part Number	Total Thickness in. (mm)	Backing Thickness in. (mm)	Adhesion to Steel oz./in. (g/cm)	Continuous Operating Temperature °F (°C)
23816	0.0120 (0.305)	0.0080 (0.203)	50 (551)	-100 to 500 (-73 to 260)
2975-8R	0.0105 (0.267)	0.0070 (0.178)	50 (551)	-100 to 500 (-73 to 260)
2925-7	0.0070 (0.178)	0.0025 (0.063)	60 (662)	-100 to 500 (-73 to 260)
6004	0.0080 (0.203)	0.0025 (0.063)	60 (662)	-100 to 500 (-73 to 260)
2925-11	0.0110 (0.279)	0.0075 (0.191)	70 (773)	-100 to 500 (-73 to 260)
26020	0.0080 (0.203)	0.0050 (0.127)	95 (991)	-100 to 500 (-73 to 260)
2905-7R	0.0070 (0.178)	0.0045 (0.114)	40 (442)	-100 to 500 (-73 to 260)
2905-10R	0.0105 (0.267)	0.0065 (0.165)	25 (276)	-100 to 500 (-73 to 260)
2915-7	0.0070 (0.178)	0.0045 (0.114)	40 (442)	-100 to 500 (-73 to 260)
2915-10	0.0100 (0.254)	0.0055 (0.139)	40 (442)	-100 to 500 (-73 to 260)
2995-11R	0.0120 (0.305)	0.0075 (0.191)	45 (496)	-100 to 500 (-73 to 260)
H6595	0.0220 (0.558)	0.0200 (0.510)	50 (551)	-100 to 500 (-73 to 260)
H7525	0.0175 (0.445)	0.0150 (0.381)	50 (551)	-100 to 500 (-73 to 260)
H7575	0.0210 (0.553)	0.0175 (0.445)	50 (551)	-100 to 500 (-73 to 260)
2965-8R	0.0105 (0.267)	0.0070 (0.178)	35 (386)	-100 to 500 (-73 to 260)

IMPORTANT NOTE TO PURCHASER: Values shown are typical and are not to be used for specifications.

All data is subject to change without notice. Before using, the user should determine the suitability of the product for its intended use, and the user assumes all risk and liability in connection therewith. Specifications subject to change without notice.

Flame Spray Processes

- **Grit/Bead/Shot Blasting**

is a pre-process step where abrasive materials are discharged at the target to strip/clean/prepare the surface to promote adhesion of various coatings.

- **Flame Spray and Thermal Spray**

are generic terms for the various thermal processes for depositing ceramic, metal and plastic powders onto a variety of materials.

- **Plasma Spray**

introduces powders into an electrical or combustion initiated high energy flame directed toward a variety of materials with the help of pressurized gas/air.

- **HVOF (High Velocity, Oxygen Fuel)**

is a high velocity (550m/sec) process where fine powders are introduced into a stream of pressurized fuel and oxygen.

CHR® is a registered trademark.



PERFORMANCE PLASTICS

Saint-Gobain Performance Plastics

Composites—North America

14 McCaffrey Street
Hoosick Falls, NY 12090
Customer Service: (800) 962-2666
Tel: (518) 686-7301
Fax: (800) 526-8479, (518) 686-4840

Saint-Gobain Performance Plastics

Composites—Asia

Suite 1203, No. 147
Chienkwo North Road Section 2
Taipei Taiwan, 104
Taiwan
Tel: 886 (2) 25034201
Fax: 886 (2) 25034202

Saint-Gobain Performance Plastics

Composites—Europe

Units 1 & 2, Bay 3
Transpennine Trading Estate
Gorrels Way
Rochdale OL11 2PX
United Kingdom
Tel: 44 1706 746 900
Fax: 44 1706 746 991

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.

NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

