

CHR® Pressure-Sensitive Adhesive Tapes

Aircraft/Aerospace Composite Bonding

Anti-Chaff/Cut-Resistant Harness Wrap

SGK5-05 Kevlar®-PTFE tape protects wire harnesses and other critical engine components from abrasion and cut-through damage, and can also be used to repair such damage. Practical experience in weaving/manufacturing glass and aramid cloth and fabrication of protective/preventive systems for commercial and military transportation has enabled us to create a tape product that will stand up to the most challenging applications and deliver the high reliability so essential to the aircraft industry.

Flash Breaking

These specially designed rubber adhesive-polyester film tapes break the flash overage created during vacuum component bonding. Rubber adhesives conform intimately to a variety of surfaces and do not leave silicone oil residue, which saves time and money.

Features/Benefits

- Strong, cut-through resistant cloth—reliability and long in-service
- Anti-static—protects cloth from UV and drains unwanted static electricity

Paint Masking Foil

Chemical etching and caustic stripping solutions destroy expensive, sensitive polycarbonate windows; foil-based masking products provide the necessary masking and protection required in this demanding application. Critical components are protected and foil masking provides fine line service even during general painting operations.

Tool and Mold Masking

More and more A/A components are being made from composite bonded lay-ups. Non-stick, disposable surfaces created by PTFE films (2255 and HM) as well as PTFE coated fabrics (A2005) assure smooth and certain release from component molds and tools.

- PTFE coating—makes unwinding easy to control, self lubricating
- Special adhesive—silicone rubber resists highest temperatures

CHR® tapes are available for various demanding accessory applications, like masking for stripping and painting, lining/seaming of miscellaneous cargo and bulkhead compartments, and general purpose sliding applications in cargo pits. In addition, manufacturing of structural components and engine repair in aircraft/aerospace require a variety of tapes to protect and mask valuable and indispensable on-board systems



GE aircraft engine series CF6-80



Plane paint masking

CHR® Pressure Sensitive Adhesive Tapes — Aircraft/Aerospace Composite Bonding

Part Number	Color	Backing Thickness mil (mm)	Total Thickness mil (mm)	Adhesion to Steel oz./in. (g/cm)	Adhesive Type	Operating Temperature °F (°C)
M730	Green	1.5 (0.038)	2.5 (0.064)	25 (276)	Silicone	-100 to 350 (-73 to 177)
M741	Blue	1.0 (0.025)	3.0 (0.076)	25 (276)	Silicone	-100 to 350 (-73 to 177)
M783	Pink	2.0 (0.051)	3.7 (0.094)	35 (386)	Rubber	0 to 325 (-18 to 163)
M803	Blue	1.0 (0.025)	3.0 (0.076)	25 (276)	Silicone	-100 to 350 (-73 to 177)
M823	Blue	1.0 (0.025)	2.8 (0.071)	30 (331)	Silicone	-100 to 350 (-73 to 177)
M851	Green	1.0 (0.025)	3.0 (0.076)	15 (165)	Rubber	0 to 350 (-18 to 177)
M852	Green	2.0 (0.051)	4.0 (0.102)	6 (66)	Rubber	0 to 350 (-18 to 177)
M855	Green	5.0 (0.127)	7.0 (0.178)	25 (276)	Rubber	0 to 350 (-18 to 177)
HM350	White	2.0 (0.051)	3.5 (0.089)	25 (276)	Silicone	-100 to 500 (-73 to 260)
HM426	Gray	2.0 (0.051)	3.5 (0.089)	25 (276)	Silicone	-100 to 500 (-73 to 260)
HM430	White	2.0 (0.051)	3.5 (0.089)	25 (276)	Acrylic	-20 to 350 (-29 to 177)
HM650	White	5.0 (0.127)	6.5 (0.165)	30 (331)	Silicone	-100 to 500 (-73 to 260)
C	Clear	2.0 (0.051)	3.5 (0.089)	20(220)	Silicone	-100 to 400 (-73 to 204)
A602	Aluminum	2.0 (0.051)	4.0 (0.102)	60 (661)	Silicone	-100 to 500 (-73 to 260)
SGK5-05	Black	5.0 (0.127)	7.0 (0.178)	25 (276)	Silicone	-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 are also subject to change without notice.



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

CHR® is a registered trademark.



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.