

# CHR<sup>®</sup> Pressure-Sensitive Adhesive Tapes

## Conformal Coating Mask

M797 coating masking tape is specifically designed to mask off areas on the stuffed PC board. With a tight unwind created by **no release** back coating on the polyester film, coating flashing can be broken with a clean edge that requires no further re-work, reducing process time.

## Fume Protection

M851 fume protection tape protects the circuitry from chemical splashes and fumes during gold tab plating operations. This cost-effective, low-adhesion tape has excellent chemical and high temperature resistance. M851 performs as a companion protection tape to the plate masking M717 tape during plating operations. M851 is available in green.

## Solder Masking Over Bare Copper (SMOBC) Tape

M803 is used in combination with a pre-applied protective solder mask and provides full protection to the exposed holes in the board. M803 is applied at the plating line by either automated equipment or by hand, and serves as a failsafe line of demarcation at the connector tabs.

## Area Masking

M734 and M788 are low-cost substitutes for dry film in multi-layer processing to protect copper. These tapes use natural rubber adhesives, which save as much as half the cost compared to silicone-based products. M788 is specially designed for thin core boards and flexible circuitry.

## Hot Air Leveling (HAL)

C663 is applied to mask gold fingers, tab areas, and other sections of printed circuit boards during the hot air leveling process. C663 adhesive is specially formulated to hold down and protect the gold fingers during rigorous HAL operations, yet remove cleanly from the board without splitting or leaving adhesive residue. Its thin construction reduces the damming at the solder/tape butt line and is a proven, effective mask in double wrap applications.

## Anti-Static (HAL)

K-290ESD has excellent electrostatic discharge properties. The ESD additive reduces the electrostatic discharge that occurs upon tape removal. The proprietary adhesive system provides high electrostatic dissipation without sacrificing adhesive strength at extreme temperatures. K-290ESD is available with or without a liner.

## Features/Benefits

- Prevents Plating Solution Undercutting
- Stands Up to Multiple Operating Cycles
- No Re-work Required
- No Adhesive Residue
- Greater Operator Safety
- Excellent Temperature and Chemical Resistance

## Electronic Assembly and Fabrication

CHR<sup>®</sup> tapes are very high quality masking products. Special formulations for softness allow adhesives to create fine lines and conform to trace lay-downs. Whether it's for gold finger plating, splash and fume protection, wave soldering, hot air leveling or conformal coating, Saint-Gobain has made an adhesive, in combination with the correct substrate film to work each and every time



Finger masking with polyimide tape



Wave soldered PC board

## CHR® Pressure Sensitive Adhesive Tapes — Electronic Assembly and Fabrication

Part Number	Color	Backing Thickness mil (mm)	Total Thickness mil (mm)	Adhesion to Steel oz./in. (g/cm)	Adhesive Type	Substrate	Tensile Strength lbs./in. (kg/cm)
C663	Red	6.5 (0.165)	9.5 (0.241)	60 (661)	Silicone	Polyester/Paper	25 (4.5)
K-290ESD	Amber	1.0 (0.025)	2.5 (0.064)	20 (220)	Silicone	Polyimide Film	30 (5.4)
K201	Amber	1.0 (0.025)	2.5 (0.064)	20 (220)	Silicone	Polyimide Film	30 (5.4)
K202	Amber	2.0 (0.051)	3.5 (0.089)	25 (276)	Silicone	Polyimide Film	50 (8.9)
M716	Violet	1.0 (0.025)	2.1 (0.053)	18 (201)	Rubber	Polyester	25 (4.5)
M717	Red	1.0 (0.025)	3.8 (0.096)	30 (331)	Silicone	Polyester	25 (4.5)
M734	Orange	1.0 (0.025)	1.6 (0.041)	6 (66)	Rubber	Polyester	25 (4.5)
M788	Aqua	1.0 (0.025)	1.5 (0.038)	5 (55)	Rubber	Polyester	25 (4.5)
M797	Mustard	1.0 (0.025)	3.0 (0.076)	30 (331)	Rubber	Polyester	25 (4.5)
M803	Blue	1.0 (0.025)	3.0 (0.076)	25 (276)	Silicone	Polyester	25 (4.5)
M851	Green	1.0 (0.025)	3.0 (0.076)	15 (165)	Rubber	Polyester	25 (4.5)

**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.



CHR® is a registered trademark.

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

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