

M Series

1 MIL POLYESTER FILM/SILICONE ADHESIVE

Saint-Gobain Performance Plastics CHR® M-Series (1 Mil PET/Silicone Adhesive) are manufactured from polyester film with silicone pressure-sensitive adhesive.

Typical Properties

| Product Number | Adhesive Thickness (in.) | Total Thickness (in.) | Adhesion to Steel (oz./in.) | Insulation Class (°C) | Color |
|----------------|--------------------------|-----------------------|-----------------------------|-----------------------|------------------|
| M50 | .0015 | .0025 | 25 | 130 | White |
| M52 | .0015 | .0025 | 30 | 130 | Clear |
| M717 | .0028 | .0038 | 30 | — | Red |
| M741 | .002 | .003 | 25 | — | Blue |
| M746 | .0008 | .0018 | 13 | — | Red, Blue, Clear |
| M751 | .002 | .003 | 25 | — | Yellow |
| M758 | .0015 | .0025 | 25 | 130 | Black |
| M803 | .002 | .003 | 25 | — | Blue |
| M815 | .002 | .003 | 30 | — | Clear |
| M823 | .0018 | .0028 | 30 | — | Blue |
| M824 | .0015 | .0025 | 30 | — | Blue |

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

Applications—M746: is designed to have lower tack and adhesion than standard silicone adhesive tapes. **M751, M815, M823, M824, M827:** is designed as a quick-stick polyester splicing tape most often used in the graphic arts industry. **M50, M52, M66, M717, M741, M751, M758, M803:** offer an economical method to hold, insulate and/or protect materials.

Features/Benefits—M66: offers easy electrical insulation. **M717:** offers a chemically resistant barrier. **M746:** can be easily removed without leaving residue. **M50, M52, M758, M803:** offer excellent high/low temperature resistance. **M751:** is used in manufacturing of label, decal and pressure-sensitive materials **M803:** is a protective circuit board masking tape. **M741, M751, M824, M827:** offer superior bonding to wide variety of treated papers, films and foils with its excellent quick-stick properties. **M823, M824:** are recommended for all splicing applications including oven splicings where good

wet-out capabilities are critical.

M815, M827: are recommended for all splicing applications that do not see high temperatures.

Polyester backing resists damage from sharp edges. The polyester backing/silicone adhesive combination is highly conformable.

Operating temperature is -100 to 350°F, elongation % at break is 100, tensile strength is 25 lbs./in. and dielectric strength is 5000 volts.

Availability—M52, M66, M741: are in master log form 72 yards long and 37" wide. **M717, M803:** are in slit roll form. Standard roll widths are 1", 1-1/2" and 2-1/2." Custom widths available upon request. **M815, M824:** are in master log form 72 yards long and 38" wide. **M50, M746, M751, M823, M827:** are in master log form 72 yards long and 24" wide. All rolls can be slit 1/2" wide through master log width. **M717, M741, M751, M815, M823, M824, M827:** are available with or without 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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