

M Series

2 MIL POLYESTER FILM/RUBBER ADHESIVE

Saint-Gobain Performance Plastics CHR® M-Series (2Mil PET/Rubber Adhesive) are manufactured from polyester film with rubber pressure-sensitive adhesive.

Typical Properties

| Product Number | Adhesive Thickness (in.) | Total Thickness (in.) | Adhesion to Steel (oz./in.) | Insulation Class (°C) | Color |
|----------------|--------------------------|-----------------------|-----------------------------|-----------------------|--------|
| M57 | .0015 | .0035 | 50 | 130 | Yellow |
| M783 | .0017 | .0037 | 35 | 130 | Pink |
| M852 | .0020 | .0040 | 15 | 130 | Green |

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

Applications—M57: polyester film offers an economical method to hold, insulate and/or protect materials. Is often used in critical capacitor and coil applications. The 2.0 mil polyester film of **M783:** offers an economical method to hold, insulate and/or protect materials. **M852:** polyester film offers an economical method to hold, insulate and/or protect materials.

Features/Benefits—Polyester backing resists damage from sharp edges, and protects tool surfaces from abuse and adhesive flash in vacuum bag sealing. **M57:** is designed to be non-corrosive with excellent dielectric and insulation resistance properties. The thermosetting rubber resin adhesive system offers excellent quick stick properties and flag resistance, yet unwinds easily. Makes easy to apply electrical insulation. Polyester backings also offer low cost, effective holding for materials. Is also capable of meeting MIL-I-15126F-MFT3.5 specifications. The rubber adhesive is specially formulated to use as a flash mask protection tape in metal or composite bonding. **M783:** will function at temperatures through 130°C. The adhesive is specially formulated to remove cleanly from most surfaces after up to 4.0 hours at 350°F. Polyester backings offer low cost, effective positioning tape for composite lay-ups prior to bag sealing. **M852:** rubber adhesive is specially formulated to use as a flash mask

protection tape in metal or composite bonding. The non-silicone adhesive eliminates silicone contamination and is specially formulated to remove cleanly from most surfaces after up to 4.0 hours at 350°F. Also, polyester backings offer low cost, effective positioning tape for composite lay-ups prior to bag sealing. **M57** and **M852:** function at temperatures through 130°C.

Operating temperature is 0 to 325°F (0 to 325°F for **M57**), elongation % at break is 120, tensile strength is 50 lbs./in. and dielectric strength is 6000 volts.

Availability—M57 and **M783:** are in master log form 72 yards long x 38 inch wide. **M57:** rolls can be slit 1/4" wide through full width. **M783:** rolls can be slit 1/2" wide through 38 inches wide. Factory stock for **M852** is in master log form 72 yards long x 37 inches wide. Rolls can be slit 1/2" wide through 37 inches wide. **M57, M783** and **M852:** are available with or without a liner.

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