

# AUBURN PRODUCT NEWS

## Auburn Manufacturing Company

29 Stack Street

Middletown, CT 06457

Tel: (860) 346-6677 Fax: (860) 346-1334

email: info@auburn-mfg.com

website: www.auburn-mfg.com

## PRELIMINARY DATA SHEET

## M Series

## 2 Mil Polyester Film/Rubber Adhesive

**CHR® M-Series Tapes from Auburn** (2 Mil 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	Adhesive
<b>M57</b>	.0015	.0035	50	130	Yellow	Rubber
<b>M783</b>	.0017	.0037	35	130	Pink	Rubber
<b>M852</b>	.0020	.0040	15	130	Green	Rubber

*All properties are typical values and should not be used for writing specifications.*

**Applications—M57** polyester film offers an economical method to hold, insulate and/or protect various materials. It is used in critical capacitor and coil applications. The 2.0 mil polyester film of **M786** 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 backings 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 and makes easy to apply electrical insulation. Polyester backings also offer low cost, effective holding for materials. It is also capable of meeting MIL-I-15126F-MFT3.5 specifications. The rubber adhesive system 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 at 130 C.

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

**Availability—M57** and **M783** are available in master log form 72 yards long and 38" wide. **M57** is available in master log form 72 yards long and 37" wide. All tapes are available either with or without a liner. All tapes can be provided in slit roll form from 1/4" wide up to master log width.

For more technical data, samples, material recommendations or price quotations, please contact your Auburn Customer Service Representative.

### Potential Applications:

- Holding Applications
- Protective Coverings
- Quick-Stick Applications
- Chemically Resistant Barriers
- Repairs
- High Dielectric Maskings
- Flash Mask Protection

**Note:** Auburn 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) into which the product(s) may be introduced by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine whether the product(s) are suitable and fit for the particular purpose desired in any given situation.

Mseries(s)-03/09