

AUBURN PRODUCT NEWS

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PRELIMINARY DATA SHEET

M Series

1 Mil Polyester Film/Rubber Adhesive

CHR® M-Series Tapes from Auburn (1Mil 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
M54	.0015	.0025	45	130	Yellow	Rubber
M56	.0015	.0025	45	130	Clear	Rubber
M64	.0015	.0025	50	130	Yellow	Rubber
M716	.0011	.0021	18	—	Violet	Rubber
M734	.0006	.0016	6	—	Orange	Rubber
M788	.0005	.0015	5	—	Aqua	Rubber
M797	.002	.003	30	—	Mustard	Rubber
M851	.002	.003	15	—	Green	Rubber
M897	.002	.003	20	—	Olive	Rubber

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

Applications—M54, M56, M64, M716, M797, M851 and M897 offer an economical method to hold, insulate and/or protect various materials. **M54, M56, and M64** are often used in critical capacitor and coil applications. **M716** is used as a fume protection tape for the manufacturing of printed circuit boards and designed to be used in conjunction with **M717, M737, M803 and M849. M734 and M788** are created for use in multi-layer printed circuit boards manufacturing as an area mask tape.

Features/Benefits— M54 and M56 meet MIL-I-15126 MFT Type 205 specifications. **M56** makes easy to apply electrical insulation and can meet UL Guide O ANZ2, File, E51201 specifications. **M64** is designed to be non-corrosive with excellent dielectric and insulation resistance qualities and makes easy to apply electrical insulations. It is manufactured with non-halogen containing materials capable of meeting UL Guide O ANZ2, File, E51201 and MIL-I-15126F-MFT Type 205 specifications. **CSA Std. C22.2 Class 9052.30. M716** protects circuitry from chemical splashes and fumes. **M734 and M788** offer no build-up of adhesion properties after processing. **M787** resists high temperatures of conformal coating operation, is silicone free, and creates a true masking line. **M851** is designed to use as a flash mask protection tape in metal or composite bonding. **M897** features a highly cross-linked pressure sensitive silicone adhesive system that eliminates adhesive legging and transfer in application and high-tack adhesive system offers masking protection.

The thermosetting rubber adhesive system offers excellent quick-stick properties and flag resistance, yet unwinds easily. The polyester backing resists damage from sharp edges. Polyester backings offer low-cost, effective holding for materials.

Operating temperature is 0 to 325 F, elongation % at break is 100, tensile strength is 25 lbs./in. and dielectric strength is 5000 volts. **M897** has an operating temperature of 0 to 350 F, and ESD controlled static charge of <50 for removal from roll and board.

Availability—M54, M64 are available in master log form 72 yards long and 37" wide. **M56 and M797** are available in master log form 72 yards long and 38". **M851 and M897** are in master log form 72 yards long and 24" wide. **M716** is in slit roll form. Standard roll length is 144 yards and widths are 1/2" 1", 1-1/2" and 2-1/2". Custom widths available upon request. **M734 and M788** factory stock is manufactured 36" and 42" wide. It is re-rolled into 144 yard long master rolls for single knife slitting to make slit rolls from 1/2" wide through full width. **M54, M56 M64, M716, and M897** are available with or with liner. All tapes can be slit into rolls ranging from 1/4" 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
- Coil/Capacitor Applications
- Electrical Insulation
- Repairs
- High Dielectric Maskings
- Splash/Fume Protection Tape
- Printed Circuit Board Uses

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(r)-03/09