

AUBURN PRODUCT NEWS

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PRELIMINARY DATA SHEET

M Series

1 Mil Polyester Film/Silicone Adhesive

CHR® M-Series Tapes from Auburn (1Mil PET/Silicone 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
M50	.0015	.0025	25	130	White	Silicone
M52	.0015	.0025	30	130	Clear	Silicone
M717	.0028	.0038	30	130	Red	Silicone
M741	.002	.003	25	—	Blue	Silicone
M746	.0008	.0018	13	—	Red, Blue, Clear	Silicone
M751	.002	.003	25	—	Yellow	Silicone
M758	.0015	.0025	25	130	Black	Silicone
M803	.002	.003	25	—	Blue	Silicone
M815	.002	.003	30	—	Clear	Silicone
M823	.0018	.0028	30	—	Blue	Silicone
M824	.0015	.0025	30	—	Blue	Silicone

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

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

Features/Benefits—M717 offers chemically resistant barrier. **M746** can be easily removed without leaving a residue. **M50**, **M52**, **M758** and **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**, and **M824** offers superior bonding to wide variety of treated papers, films and foils with its excellent quick-stick properties. **M823** and **M824** are recommended for all splicing applications including oven splicing where good wet-out capabilities are critical.

M815 is 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 0 to 325 F, elongation % at break is 100, tensile strength is 25 lbs./in. and dielectric strength is 5000 volts

Availability—M52 and **M741** are available in master log form 72 yards long and 37" wide. **M717** and **M803** are in slit roll form. Standard roll widths are 1", 1-1/2" and 2-1/2". Custom widths available upon request. **M815** and **M824** are available in master log form 72 yards and 38" wide. **M50**, **M746**, **M751**, and **M823** are available in master log form 72 yards long and 24" wide. All rolls can be slit 1/4 wide through master log width. All of these products are available either with or without a liner.

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
- High/Low Temperature Uses
- Oven Splicing Applications
- Graphic Arts Industry Uses
- Label & Decal Applications
- Print Circuit Board Tapes

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.