

MERCO TAPE – TECHNICAL DATA SHEET

Merco M160 series Silicone Rubber Tape



Merco M160 Silicone Rubber Tape is a Mil Spec, triangular self-adhering and self-bonding silicone tape. It is suitable for a wide range of temperatures (-60°C to +200°C (-50°F to 400°F)) for continuous use and -65°C to 260°C for intermittent use. Excellent for wet applications and can be applied wet, even under water. This silicone tape is made from a special silicone rubber compound and readily adheres to itself when wrapped under tension. It forms a homogenous mass within 24 hours. The adhesion can be accelerated with heat.

Merco M160 Silicone Rubber Tape is ideal for a watertight insulated overwrap, indoors or out. It's ideal for: cable, harness, extension cord, hose wrapping, plumbing, and hydraulics repairs, electrical insulation and cooling systems. Used by the military and general marine use. For automotive use it can be used to repair radiator hoses, exhaust sealing and electrical connections. It is salt resistant making it good for preventative corrosion protection.

Sizes	1" inch (25.4mm), 30 feet (9.14 meters)	Ours is 10 yards , not feet!
Thickness	20 mil (.508 mm)	
Hardness: room cured 24 hours	55	ASTM D792
Cured at 300°F -- 24 Hours	70	ASTM D792
Cured at 480°F -- 24 Hours	75	ASTM D792
Specific Gravity	1.15 – 1.21	ASTM D792
Dielectric Strength, volt/mil	400 v	Mil CID-A-A-59163
Tensile Strength, psi minimum	700 psi	ASTM D119
Elongation % minimum	300%	ASTM D119
Cold Brittle Point, °C, maximum	-53°C	ASTM D746
Colors	Military Orange, Clear, Black, Bright Red, White, Yellow	Available with Guideline

5-year shelf life (from date of manufacture) when stored at room temperature

Similar in specifications and performance to 3M 70 and Plymouth 3455.

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