REQ. PER UNIT	USED ON MODEL	USED ON ASS'Y. NO.	USED ON DATE	TA-112

PROPERTY	VALUE
Caliper	.0025"
Tensile Strength	30 lb/in.
Elongation	130%
Shrinkage (@300°F.)	2-3% *
Heat Bonding Time (@300°F.)	5-30 minutes **
Dielectric Strength	4500 volts/mil
Dielectric Constant @ 30°C.50% RH-60 Cycles	2.3
Dissipation Factor @30°C. 50% RH-60 Cycles	.001
Solvent Resistance	Excellent ***
Water Absorption	0.1%
Volume Resistivity @30°C. 50% RH	10^{16} ohm-cm
Moisture Vapor Transmission	0.3 gms/100 sq.in./24 hrs.
Copper Corrosion	None
Corrision Factor	1.00
Insulation Resistance	10^{6} megohms

* When applied without elongation

** Bonding temperature will vary depending on the mass and heat capacity of the unit. Lower temperatures require longer bonding times. Curing temperatures lower than 200°F. are not recommended. Bonding time may be 10 minutes to 60 minutes for temperatures of 230°F. to 250°F.

*** Ketones, esters, and chlorinated solvents may show some effects when used at temperatures in excess of 50°C.

Type Designation in Following Form

TA-112-1

BASIC TMC PART NO.

WIDTH (in inches) Note - any width from 1" to 19" in increments of 1"

Purch. Note - Purchase in Std. Lengths of 72 Yds. w/ width as desired.

Ref- SCOTCH - Scotchweld (3M) # X-1078

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

TOLERANCES

DEC. DIM. ±
FRAC. DIM. ±
ANGULAR DIM. ±

SCALE:

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TAPE, ELECTRICAL FILM

DRAWN	CHECKED	FINAL APPROVAL
16		
ELEC. DES. APP	MECH. DES. APP	TA-112

FORM 108-A