



## TYPICAL TOMMY TAPE® SPECIFICATIONS/PROPERTIES

(Mechanical and Electrical)

PROPERTIES	TEST METHOD	PERFORMANCE
OPERATING TEMPERATURE RANGE	CONTINUOUS INTERMITTENT	-54°C TO +260°C (-65°F TO +500°F) -65°C TO +260°C (-85°F TO +500°F)
DIELECTRIC STRENGTH, MINIMUM Short TIME (1/4: Electrodes)	ASTM D-149	0.010" - 0.030" 400 VPM 0.040" 300 VPM 0.050" 275 VPM 0.060" 250 VPM 0.070" - 0.080: 200 VPM
DIELECTRIC CONSTANT, 1 KHZ		2.95
DISSIPATION FACTOR, 1 KHZ		< .0004
VOLUME RESISTIVITY	ASTM D-1458	3 x 10 <sup>14</sup> OHM/CM
COLD BRITTLE POINT, MAX	ASTM D-2137	-65°C
WATER ABSORPTION	FED, STD. 601, METHOD 6251	3% MAX. BY WEIGHT
TENSILE STRENGTH	ASTM D-412	700 PSI MINIMUM
ULTIMATE ELONGATION	ASTMD-412	300% MINIMUM
AGING PROPERTY <i>Retention (100 Hrs @ 500°F)</i>	ASTM D-412	
<i>TENSILE</i>		75%
<i>ELONGATION</i>		50%
TEAR RESISTANCE		85 PSI
DUROMETER HARDNESS		50 SHORE DUROMETER (ROOM CURED 24 HOURS)
TOLERANCES		
<i>THICKNESS</i>		+/- .002"
<i>WIDTH</i>		+/- .0625"

NOTE: Tommy Tape® meets or exceeds U.S. Military Spec AA-59163 (formerly MIL I-46852C) Type II, Triangular Guideline and Type I, Rectangular Self-fusing Silicone Rubber Tape.

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