



## Thorndike Corporation

680 North Bedford Street  
East Bridgewater, MA 02333  
(508) 378-9797 / 9798  
Fax: (508) 378-1529  
Toll free: 800-367-3367

[www.thorndikecorp.com](http://www.thorndikecorp.com)

**Bulletin No.: 111-900**

**Material: TC900**

### MATERIAL CHARACTERISTICS

<b>Dielectric Constant, 60Hz to 12 GHz:</b>	2.54
<b>Loss tangent, 60Hz to 10 GHz:</b>	0.0005
<b>Homogeneity of Dielectric Constant:</b>	+/- 0.01
<b>Isotropy of Dielectric Constant:</b>	+/-0.01
<b>Volume Resistivity, ohm-cm:</b>	$>10^{-6}$
<b>Dielectric Strength, volts/mil (Kv/mm):</b>	500 (20)
<b>Specific Gravity:</b>	1.06
<b>Tensile Strength, psi (Kg/cm<sup>2</sup>):</b>	11,000 (770)
<b>Flexural Strength, psi (Kg/cm<sup>2</sup>):</b>	17,000 (1,190)
<b>Water Absorption, % gain in 24 hrs, at 25 degrees C:</b>	0.003
<b>Operating Temperature Range</b>	
• Continuous	125 degrees C
• Short Time	200 degrees C
<b>Recommended minimum oper. Temp:</b>	-70 degrees C
<b>Machinability:</b>	Excellent

**CALL THORNDIKE CORPORATION FOR ALL YOUR LOW AND HIGH POWER ABSORBER REQUIREMENTS!!!**

