



## Data Sheet

### Product Description

<b>EMS Material Designation</b>	<b>B2</b>
<b>ASTM Type</b>	<b>TM6</b>
<b>Number of layers</b>	<b>2</b>
<b>Standard Marking</b>	<b>TRUFLEX B2</b>
<b>Remarks</b>	<b>Best all purpose 100 to 550°F (38 to 260°C)</b>



### Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
<b>High Expansion Alloy</b>	Alloy B	22% Ni, 3% Cr, 75% Fe
<b>Low Expansion Alloy</b>	Alloy 20	40% Ni, 60% Fe

### Thermostatic Properties

	ENGLISH		METRIC	
ASTM Flexivity (50-200°F)	133	$\times 10^{-7}$ (in/in)/°F	--	
Specific Curvature (10-93°C)	--		23.9	$\times 10^{-6}$ (mm/mm)/°C
Maximum Sensitivity Temperature Range	100 to 550	°F	-40 to 290	°C
Useful Deflection Temperature Range	-100 to 1000	°F	-70 to 540	°C
Recommended Maximum Temperature	1000	°F	540	°C
Electrical Resistivity @ 75°F / 20°C	422 to 458	OCMF*	0.701 to 0.761	$\mu$ ohms-m

### Physical Properties

	ENGLISH		METRIC	
Density	0.295	Lb/in <sup>3</sup>	8.17	g/cm <sup>3</sup>
Modulus of Elasticity (E)	25	Msi	172	GPa

\*Ohms-Circular-Mil / Foot