

## Product Description

EMS Material Designation	GB5
ASTM Type	
Numer of Layers	2
Standard Marking	
Remarks	General Purpose 300 to 800°F (150-425°C)

## Chemical Composition

	Grade	Chemistry
High Expansion Alloy	Alloy GB	19% Ni, 7% Cr, Bal Fe
Low Expansion Alloy	Alloy 50	50% Ni, Bal Fe

## Thermostatic Properties

	ENGLISH	METRIC
ASTM Flexivity (50-200°F)	75 X 10 <sup>-7</sup> (in/in)/°F	
Specific Curvature (10-93°C)		13.5 X 10 <sup>-6</sup> (mm/mm)/°C
Maximum Sensitivity Temperature Range	300 to 800°F	150 to 430°C
Useful Deflection Temperature Range	-100 to 1000°F	-70 to 540°C
Recommended Maximum Temperature	1000°F	540 °C
Electrical Resistivity @ 75°F (24°C)	324 to 360 *0CMF	0.538 to 0.598 uohms-m

## Physical Properties

	ENGLISH	METRIC
Density	0.296 Lb/in <sup>3</sup>	8.19 g/cm <sup>3</sup>
Modulus of Elasticity (E)	26.0 Msi	179 GPa

\*Ohms-Circular-Mil / Foot