



## Data Sheet

### Product Description

<b>EMS Material Designation</b>	<b>GB2</b>
<b>ASTM Type</b>	--
<b>Number of layers</b>	2
<b>Standard Marking</b>	--



**Remarks** **General purpose 100° to 550°F (38° to 260°C). Good high temperature stability.**

### Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
<b>High Expansion Alloy</b>	Alloy GB	19% Ni, 7% Cr, Bal Fe
<b>Low Expansion Alloy</b>	Alloy 20	40% Ni, Bal Fe

### Thermostatic Properties

	ENGLISH		METRIC	
ASTM Flexivity (50-200°F)	128	$\times 10^{-7}$ (in/in)/°F	--	
Specific Curvature (10-93°C)	--		23.0	$\times 10^{-6}$ (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 (24° C)	426 to 464	OCMF*	.708 to .771	$\mu$ 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)	26	Msi	179	GPa

\*Ohms-Circular-Mil / Foot

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