



## Product Description

EMS Material Designation	P250R
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX P250R
Remarks	Intermediate Resistivity, High Flexivity, General Use 0 to 400 °F

## Chemical Composition

	Grade	Chemistry
High Expansion Alloy	Alloy P	72% Mn, 18% Cu, 10% Ni
Center Layer	C50500	Cu, 1.3% Sn
Low Expansion Alloy	Alloy 10	64% Fe, Bal Ni

## Thermostatic Properties

	ENGLISH	METRIC
ASTM Flexivity (100-300°F)	209 X 10 <sup>-7</sup> (in/in)/°F	
Specific Curvature (38-149°C)		37.6 X 10 <sup>-6</sup> (mm/mm)/°C
Maximum Sensitivity Temperature Range	0 to 400°F	-20 to 200°C
Useful Deflection Temperature Range	-100 to 500°F	-70 to 260°C
Recommended Maximum Temperature	500°F	260°C
Electrical Resistivity @ 75°F (24°C)	235 to 265 *0CMF	0.391 to 0.440 uohms-m

## Physical Properties

	ENGLISH	METRIC
Density	0.279 Lb/in <sup>3</sup>	7.72 g/cm <sup>3</sup>
Modulus of Elasticity (E)	19 Msi	131 GPa

\*Ohms-Circular-Mil / Foot