



Product Description

EMS Material Designation	BP560R
ASTM Type	
Numer of Layers	3
Standard Marking	
Remarks	Medium Flexivity, High Resistivity

Chemical Composition

	Grade	Chemistry
High Expansion Alloy	Alloy B	22% Ni, 3% Cr, Bal Fe
Center Layer	Alloy P	72% Mn, 18% Cu, 10% Ni
Low Expansion Alloy	Alloy 10	36% Ni, Bal Fe

Thermostatic Properties

ENGLISH

METRIC

ASTM Flexivity	(100-300°F)	148 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(38-149°C)		26.6 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range		0 to 300°F	-20 to 150°C
Useful Deflection Temperature Range		-100 to 500°F	-70 to 260°C
Recommended Maximum Temperature		800°F	427 °C
Electrical Resistivity @ 75°F (24°C)		529 to 591 *OCMF	0.879 to 0.982 uohms-m

Physical Properties

ENGLISH

METRIC

Density	0.285 Lb/in ³	7.89 g/cm ³
Modulus of Elasticity (E)	21.5 Msi	148 GPa

*Ohms-Circular-Mil / Foot