



Product Description

EMS Material Designation	LA50R10
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA50R10
Remarks	Low Electrical Resistivity with Medium Flexivity

Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
High Expansion Alloy	Alloy LA	20% Ni, 6% Mn, Bal Fe
Center Layer	Copper	Cu
Low Expansion Alloy	Alloy 10	36% Ni, Bal Fe

Thermostatic Properties

	ENGLISH	METRIC
ASTM Flexivity (100-300°F)	151 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature (38-149°C)		27.2 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	700°F	370°C
Electrical Resistivity @ 75°F (24°C)	46.25 to 53.75 *OCMF	0.077 to 0.089 uohms-m

Physical Properties

	ENGLISH	METRIC
Density	0.298 Lb/in ³	8.25 g/cm ³
Modulus of Elasticity (E)	22.5 Msi	155 GPa

*Ohms-Circular-Mil / Foot