



Product Description

EMS Material Designation	LA90R10
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA90R10
Remarks	Low Electrical Resistivity with Medium Flexivity

Chemical Composition

	Grade	Chemistry
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	(50-200°F) (100 to 300°F)	159 X 10 ⁻⁷ (in/in)/°F 152 X 10 ⁻⁷ (in/in)/°F
Specific Curvature	(10-93°C) (38 to 149°C)	28.6 X 10 ⁻⁶ (mm/mm)/°C 27.4 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)	84 to 96 *OCMF	0.140 to 0.160 uohms-m

Physical Properties

	ENGLISH	METRIC
Density	0.296 Lb/in ³	8.19 g/cm ³
Modulus of Elasticity (E)	23 Msi	159 GPa

*Ohms-Circular-Mil / Foot