



Product Description

EMS Material Designation	LA100R10
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA100R10
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 (68-266°F)	157 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature (20-130°C)		28.3 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)	95.1 to 109.5 *OCMF	0.158 to 0.182 uohms-m

Physical Properties

	ENGLISH	METRIC
Density	0.294 Lb/in ³	8.14 g/cm ³
Modulus of Elasticity (E)	23 Msi	159 GPa

*Ohms-Circular-Mil / Foot+