



Product Description

EMS Material Designation	LA55R30
ASTM Type	
Numer of Layers	3
Standard Marking	
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 30	42% Ni, Bal Fe

Thermostatic Properties

	ENGLISH	METRIC
ASTM Flexivity (50-200°F)	120 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature (10-93°C)		21.6 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range	200 to 550°F	93 to 288°C
Useful Deflection Temperature Range	-100 to 700°F	-70 to 370°C
Recommended Maximum Temperature	700°F	370°C
Electrical Resistivity @ 75°F (24°C)	50 to 58 *0CMF	0.083 to 0.096 uohms-m

Physical Properties

	ENGLISH	METRIC
Density	0.298 Lb/in ³	8.25 g/cm ³
Modulus of Elasticity (E)	22 Msi	152 GPa

*Ohms-Circular-Mil / Foot+