

Product Description

EMS Material Designation	LA3
ASTM Type	
Numer of Layers	2
Standard Marking	
Remarks	Medium Electrical Resistivity with Medium Flexivity

Chemical Composition

	Grade	Chemistry
High Expansion Alloy	Alloy LA	20% Ni, 6% Mn, Bal Fe
Low Expansion Alloy	Alloy 30	42% Ni, Bal Fe

Thermostatic Properties

	ENGLISH	METRIC
ASTM Flexivity (68-266°F)	125 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature (20-130°C)		22.5 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range	200 to 600°F	95 to 315°C
Useful Deflection Temperature Range	-100 to 800°F	-70 to 430°C
Recommended Maximum Temperature	1000°F	540°C
Electrical Resistivity @ 75°F (24°C)	396 to 438 *OCMF	0.658 to 0.728 uohms-m

Physical Properties

	ENGLISH	METRIC
Density	0.292 Lb/in ³	8.07 g/cm ³
Modulus of Elasticity (E)	24.0 Msi	165 GPa

*Ohms-Circular-Mil / Foot