



Data Sheet

Product Description

EMS Material Designation	LA3
ASTM Type	--
Number of layers	2
Standard Marking	--
Remarks	Medium electrical resistivity with medium flexivity



Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
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	$\times 10^{-7}$ (in/in)/°F	--	
Specific Curvature (20-130°C)	--		22.5	$\times 10^{-6}$ (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	μ ohms-m

Physical Properties

	ENGLISH		METRIC	
Density	0.292	Lb/in ³	8.07	g/cm ³
Modulus of Elasticity (E)	24	Msi	165	GPa

*Ohms-Circular-Mil / Foot

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