



Data Sheet

Product Description

EMS Material Designation	LA35R11
ASTM Type	--
Number of layers	3
Standard Marking	--
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 11	39% Ni, Bal Fe

Thermostatic Properties

	ENGLISH		METRIC	
ASTM Flexivity (50-200°F)	139	$\times 10^{-7}$ (in/in)/°F	--	
Specific Curvature (10-93°C)	--		25.0	$\times 10^{-6}$ (mm/mm)/°C
Maximum Sensitivity Temperature Range	150 to 450	°F	66 to 232	°C
Useful Deflection Temperature Range	-100 to 650	°F	-73 to 340	°C
Recommended Maximum Temperature	700	°F	370	°C
Electrical Resistivity @ 75°F (24°C)	33.5 to 38.5	OCMF*	0.0557 to 0.0640	μ ohms-m

Physical Properties

	ENGLISH		METRIC	
Density	0.301	Lb/in ³	8.34	g/cm ³
Modulus of Elasticity (E)	23.0	Msi	159	GPa

*Ohms-Circular-Mil / Foot

Rev 0 - 11/21/2014