



Product Description

EMS Material Designation	LA210R
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA210R
Remarks	Intermediate 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	Nickel	Ni
Low Expansion Alloy	Alloy 10	36% Ni, Bal Fe

Thermostatic Properties

ENGLISH

METRIC

ASTM Flexivity (100-300°F)	153 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature (38-149°C)		27.5 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range	0 to 300°F	-20 to 150°C
Useful Deflection Temperature Range	-100 to 700°F	-70 to 370°C
Recommended Maximum Temperature	1000°F	540°C
Electrical Resistivity @ 75°F (24°C)	198.5 to 221.5 *OCMF	0.330 to 0.368 uohms-m

Physical Properties

ENGLISH

METRIC

Density	0.296 Lb/in ³	8.19 g/cm ³
Modulus of Elasticity (E)	25.0 Msi	172 GPa

*Ohms-Circular-Mil / Foot