



Product Description

EMS Material Designation	LA20R10
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA20R10
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 10	36% Ni, Bal Fe

Thermostatic Properties

ENGLISH

METRIC

ASTM Flexivity (100-300°F)	140 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature (38-149°C)		25.2 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range	0 to 300°F	-20 to 150°C
Useful Deflection Temperature Range	-100 to 500°F	-70 to 260°C
Recommended Maximum Temperature	700°F	370°C
Electrical Resistivity @ 75°F (24°C)	18 to 22 *OCMF	0.030 to 0.037 Uohms-m

Physical Properties

ENGLISH

METRIC

Density	0.309 Lb/in ³	8.55 g/cm ³
Modulus of Elasticity (E)	19 Msi	131 GPa

*Ohms-Circular-Mil / Foot