



Product Description

EMS Material Designation	LA150R
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA150R
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	(68-266°F)	145 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(20-130°C)		26.1 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)		141.7 to 158.3 *0CMF	0.236 to 0.263 uohms-m

Physical Properties

ENGLISH

METRIC

Density	0.299 Lb/in ³	8.28 g/cm ³
Modulus of Elasticity (E)	25.5 Msi	176 GPa

*Ohms-Circular-Mil / Foot