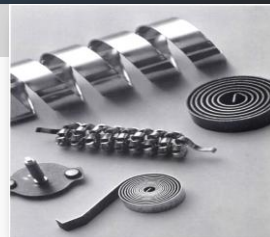




Data Sheet

Product Description

EMS Material Designation	LA150R
ASTM Type	--
Number of layers	3
Standard Marking	TRUFLEX LA150R
Remarks	Intermediate electrical resistivity with medium flexivity



Chemical Composition

	Grade	Chemistry
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	$\times 10^{-7}$ (in/in)/°F	--	
Specific Curvature (20-130°C)	--		26.1	$\times 10^{-6}$ (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	OCMF*	0.236 to 0.263	μ ohms-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