



Data Sheet

Product Description

EMS Material Designation	LA300R
ASTM Type	--
Number of layers	3
Standard Marking	TRUFLEX LA300R
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 (100-300°F)	156	$\times 10^{-7}$ (in/in)/°F	--	
Specific Curvature (38-149°C)	--		28.1	$\times 10^{-6}$ (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)	283.5 to 316.5	OCMF*	0.471 to 0.526	μ ohms-m

Physical Properties

	ENGLISH		METRIC	
Density	0.294	Lb/in ³	8.14	g/cm ³
Modulus of Elasticity (E)	24.5	Msi	169	GPa

*Ohms-Circular-Mil / Foot