

Product Description

EMS Material Designation	LA300R
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA300R
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)	156 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(38-149°C)		28.1 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)		283.5 to 316.5 *OCMF	0.471 to 0.526 uohms-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