



Data Sheet

Product Description

EMS Material Designation	LA20R10
ASTM Type	--
Number of layers	3
Standard Marking	TRUFLEX LA20R10
Remarks	Low 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	Copper	Cu
Low Expansion Alloy	Alloy 10	36% Ni, Bal Fe

Thermostatic Properties

	ENGLISH		METRIC	
ASTM Flexivity (100-300°F)	140	$\times 10^{-7}$ (in/in)/°F	--	
Specific Curvature (38-149°C)	--		25.2	$\times 10^{-6}$ (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)	18.0 to 22.0	OCMF*	0.030 to 0.037	μ ohms-m

Physical Properties

	ENGLISH		METRIC	
Density	0.309	Lb/in ³	8.55	g/cm ³
Modulus of Elasticity (E)	19.0	Msi	131	GPa

*Ohms-Circular-Mil / Foot

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