

Product Description

EMS Material Designation	F25R
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX F25R
Remarks	Low Electrical Resistivity and Medium Flexivity

Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
High Expansion Alloy	Alloy B	22% Ni, 3% Cr, Bal Fe
Center Layer	Copper	Cu
Low Expansion Alloy	Alloy 10	36% Ni, Bal Fe

Thermostatic Properties

ENGLISH

METRIC

ASTM Flexivity	(50-200°F)	135 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(10-93°C)		24.3 X 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)		22.5 to 27.5 *OCMF	0.0374 to 0.0457 uohms-m

Physical Properties

ENGLISH

METRIC

Density	0.307 Lb/in ³	8.51 g/cm ³
Modulus of Elasticity (E)	22 Msi	152 GPa

*Ohms-Circular-Mil / Foot