



Product Description

EMS Material Designation	P675R
ASTM Type	TM2
Numer of Layers	2
Standard Marking	TRUFLEX P675R
Remarks	<ul style="list-style-type: none"> * Most active Material Available * This material is susceptible to stress corrosion * Prolonged exposure to high humidity, moisture, and saline solutions should be avoided

Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
High Expansion Alloy	Alloy P	72% Mn, 18% Cu, 10% Ni
Low Expansion Alloy	Alloy 10	36% Ni, Bal Fe

Thermostatic Properties

	ENGLISH	METRIC
ASTM Flexivity	(50-200°F) 217 X 10 ⁻⁷ (in/in)/°F	
	(100 to 300°F) 211 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(10-93°C) 38 to 149°C	39.1 X 10 ⁻⁶ (mm/mm)/°C 38.0 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range	0 to 400°F	-20 to 200°C
Useful Deflection Temperature Range	-100 to 500°F	-70 to 260°C
Recommended Maximum Temperature	800°F	430°C
Electrical Resistivity @ 75°F (24°C)	641 to 709 *OCMF	1.07 to 1.18 uohms-m

Physical Properties

	ENGLISH	METRIC
Density	0.275 Lb/in ³	7.61 g/cm ³
Modulus of Elasticity (E)	19 Msi	131 GPa

*Ohms-Circular-Mil / Foot