

Product Description

EMS Material Designation	GB14
ASTM Type	
Numer of Layers	2
Standard Marking	TRUFLEX GB14
Remarks	Good corrosion resistance in aqueous environments

Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
High Expansion Alloy	Alloy GB	19% Ni, 7% Cr, Bal Fe
Low Expansion Alloy	Alloy 14	38% Ni, 7% Cr, Bal Fe

Thermostatic Properties

ENGLISH

METRIC

ASTM Flexivity	(50-200°F) (100 to 300°F)	100 X 10 ⁻⁷ (in/in)/°F 100 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(10-93°C) (38 to 149°C)		18.0 X 10 ⁻⁶ (mm/mm)/°C 18.0 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range		0 to 300°F	-20 to 150°C
Useful Deflection Temperature Range		-100 to 1000°F	-70 to 540°C
Recommended Maximum Temperature		1000°F	540°C
Electrical Resistivity @75°F (24°C)		486 to 536 *OCMF	0.808 to 0.891 uohms m

Physical Properties

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METRIC

Density	0.294 Lb/in ³	8.12 g/cm ³
Modulus of Elasticity (E)	26 Msi	179 GPa

*Ohms-Circular-Mil / Foot