

Product Description

EMS Material Designation	B3
ASTM Type	TM30
Numer of Layers	2
Standard Marking	TRUFLEX B3
Remarks	Best all purpose 200 to 600°F (93 to 316°C)

Chemical Composition

	Grade	Chemistry
High Expansion Alloy	Alloy B	22% Ni, 3% Cr, Bal Fe
Low Expansion Alloy	Alloy 30	42% Ni, Bal Fe

Thermostatic Properties

ENGLISH

METRIC

ASTM Flexivity	(50-200°F) (100 to 300°F)	118 X 10 ⁻⁷ (in/in)/°F 122 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(10-93°C) (38 to 149°C)		21.25 X 10 ⁻⁶ (mm/mm)/°C 22.00 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range		200 to 600°F	90 to 320°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)		403 to 427 *OCMF	0.669 to 0.710 uohms m

Physical Properties

ENGLISH

METRIC

Density	0.296 Lb/in ³	8.18 g/cm ³
Modulus of Elasticity (E)	25 Msi	172 GPa

*Ohms-Circular-Mil / Foot