



Product Description

EMS Material Designation	B11
ASTM Type	
Numer of Layers	2
Standard Marking	TRUFLEX B11
Remarks	Best all purpose 150 to 450°F (65 to 232°C)

Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
High Expansion Alloy	Alloy B	22% Ni, 3% Cr, Bal Fe
Low Expansion Alloy	Alloy 11	39% Ni, Bal Fe

Thermostatic Properties

ENGLISH

METRIC

ASTM Flexivity	(50-200°F) (100 to 300°F)	141 X 10 ⁻⁷ (in/in)/°F 141 X 10 ⁻⁷ (in/in)/°F	
Specific Curvature	(10-93°C) (38 to 149°C)		25.40 X 10 ⁻⁶ (mm/mm)/°C 25.40 X 10 ⁻⁶ (mm/mm)/°C
Maximum Sensitivity Temperature Range		150 to 450°F	70 to 230°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)		438 to 465 *OCMF	0.728 to 0.773 uohms m

Physical Properties

ENGLISH

METRIC

Density	0.295 Lb/in ³	8.17 g/cm ³
Modulus of Elasticity (E)	25 Msi	172 GPa

*Ohms-Circular-Mil / Foot