



Product Description

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|--------------------------|---|
| EMS Material Designation | P350R |
| ASTM Type | |
| Numer of Layers | 3 |
| Standard Marking | TRUFLEX P350R |
| Remarks | Intermediate Resistivity, High Flexivity, General Use 0 to 400 °F |

Chemical Composition

| | Grade | Chemistry |
|----------------------|----------|------------------------|
| High Expansion Alloy | Alloy P | 72% Mn, 18% Cu, 10% Ni |
| Center Layer | Steel | Fe |
| Low Expansion Alloy | Alloy 10 | 36% Ni, Bal Fe |

Thermostatic Properties

| | ENGLISH | METRIC |
|---------------------------------------|-----------------------------------|------------------------------------|
| ASTM Flexivity (50-200°F) | 213 X 10 ⁻⁷ (in/in)/°F | |
| Specific Curvature (10-93°C) | | 38.3 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) | 333 to 367 *0CMF | 0.553 to 0.610 uohms-m |

Physical Properties

| | ENGLISH | METRIC |
|---------------------------|--------------------------|------------------------|
| Density | 0.276 Lb/in ³ | 7.65 g/cm ³ |
| Modulus of Elasticity (E) | 20 Msi | 138 GPa |

*Ohms-Circular-Mil / Foot