



Product Description

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| EMS Material Designation | LA35R11 |
| ASTM Type | |
| Numer of Layers | 3 |
| Standard Marking | TRUFLEX LA35R11 |
| Remarks | Low Electrical Resistivity with Medium Flexivity |

Chemical Composition

| | Grade | Chemistry |
|----------------------|----------|-----------------------|
| High Expansion Alloy | Alloy LA | 20% Ni, 6% Mn, Bal Fe |
| Center Layer | Copper | Cu |
| Low Expansion Alloy | Alloy 10 | 36% Ni, Bal Fe |

Thermostatic Properties

ENGLISH

METRIC

| | | |
|---------------------------------------|-----------------------------------|------------------------------------|
| ASTM Flexivity (50-200°F) | 139 X 10 ⁻⁷ (in/in)/°F | |
| Specific Curvature (10-93°C) | | 25.0 X 10 ⁻⁶ (mm/mm)/°C |
| Maximum Sensitivity Temperature Range | 150 to 450°F | 66 to 232°C |
| Useful Deflection Temperature Range | -100 to 650°F | -73 to 340°C |
| Recommended Maximum Temperature | 700°F | 370°C |
| Electrical Resistivity @ 75°F (24°C) | 33.5 to 38.5 *OCMF | 0.0557 to 0.0640 uohms-m |

Physical Properties

ENGLISH

METRIC

| | | |
|---------------------------|--------------------------|------------------------|
| Density | 0.301 Lb/in ³ | 8.34 g/cm ³ |
| Modulus of Elasticity (E) | 23 Msi | 159 GPa |

*Ohms-Circular-Mil / Foot