

Evanohm® Disk

Formula: Ni75/Cr20/Al 2.5/Cu 2.5

Temper: Annealed

Thickness: 0.02mm

Diameter: 10mm

UOM Code: 090-160-40

SKU: 1000012795-group

Product Code: NI17-FL-000150

Material Properties for Alloys

Mechanical Properties

| Element | Value |
|------------------------------------------|--------|
| Elongation at break(%) | 33 |
| Modulus of elasticity(GPa) | 221 |
| Izod impact strength(J m ²) | 42-100 |
| Tensile strength(MPa) | 1210 |

Electrical Properties

| Element | Value |
|--------------------------------------------|---------|
| Electrical resistivity(μOhmcm) | 134 |
| Temperature coefficient(K ⁻¹) | 0.00001 |

Thermal Properties

| Element | Value |
|-----------------------------------------------------------------------|---------------|
| Maximum use temperature in air(C) | 300 |
| Melting point(C) | 1340-1390 |
| Specific heat(J K ⁻¹ kg ⁻¹) | 435@23°C |
| Thermal conductivity(W m ⁻¹ K ⁻¹) | 14.6@23°C |
| Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹) | 11.7@20-100°C |

Physical Properties

| Element | Value |
|---------|-------|
|---------|-------|

Density(gcm³) 8.1