

Waspaloy® Rod

Formula: Ni58/Cr19/Co14/Mo/Ti/Al/Fe

Diameter: 25mm

Length: 100mm

Temper: Solution Annealed

Production Method: Centreless Ground

UOM Code: 136-894-12

SKU: 1000041045-group

Product Code: NI15-RD-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)	550-1210

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	120-130

Thermal Properties

Element	Value
Melting point(C)	1340-1390
Thermal conductivity(W m ⁻¹ K ⁻¹)	10.7@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	11.7@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	8.18