Phynox® Spooled Wire

Co-Cr-Ni-Mo wire (Hard, to 2000 MPa, Ø 0.25–1 mm, beryllium-free, ?r ? 1) for coil spring winding, watch hairsprings & implantable guidewire structural cores. **SKU:** 1000003097-group
Product Code: CO12-WR-000150

Material Properties for Alloys

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	95

Thermal Properties

Element	Value
Melting point(C)	1450-1460
Specific heat(J K?¹ kg?¹)	430@20°C
Thermal conductivity(W m?¹ K?¹)	12.5@20°C
Coefficient of thermal expansion(x10?? K?¹)	12.5@0-100°C

Physical Properties

Element	Value
Density(gcm?³)	8.3

Mechanical Properties

Element	Value
Modulus of elasticity(GPa)	200
Tensile strength(MPa)	800-2200