

Specification Sheet

Co:Cr:Mo, 99.9%, <80nm

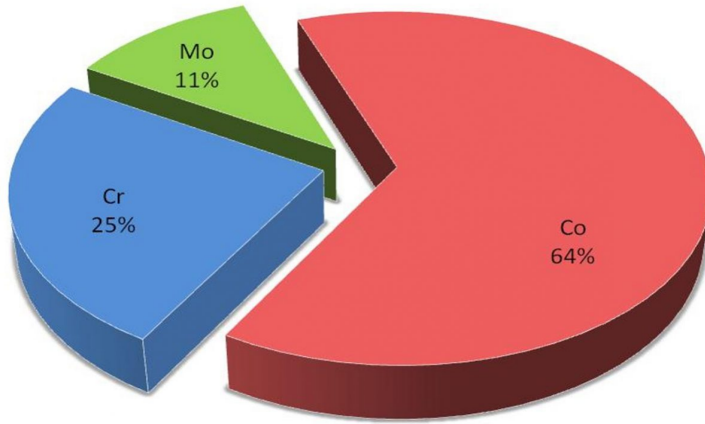
Stock No: NS6130-07-727, CAS: 12629-02-6

Product	:	Cobalt Chromium Molybdenum Alloy Powder
Stock No	:	NS6130-07-727
CAS	:	12629-02-6
Purity	:	99.9%
APS	:	< 80nm
Molecular Formula	:	Co:Cr:Mo
Density	:	8.29 g/cm ³
Melting Point	:	1350-1430 °C
Thermal Conductivity	:	13 W/m °C at 20°C
Coefficient of Expansion	:	13.6 x 10 ⁻⁶ m/m °C over 20-500 °C
Poisson's Ratio	:	0.29
Young's Modulus	:	220 ± 20 GPa
Tensile Strength	:	1300 ± 50 MPa
Specific Heat	:	450 J/kg-K
Relative Density	:	8.29 g/cm ³
Yield Strength	:	980 ± 50 MPa (Rp0.2 %)
Coefficient of Thermal Expansion	:	13.6 x 10 ⁻⁶ m/m °C over 20-500 °C
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

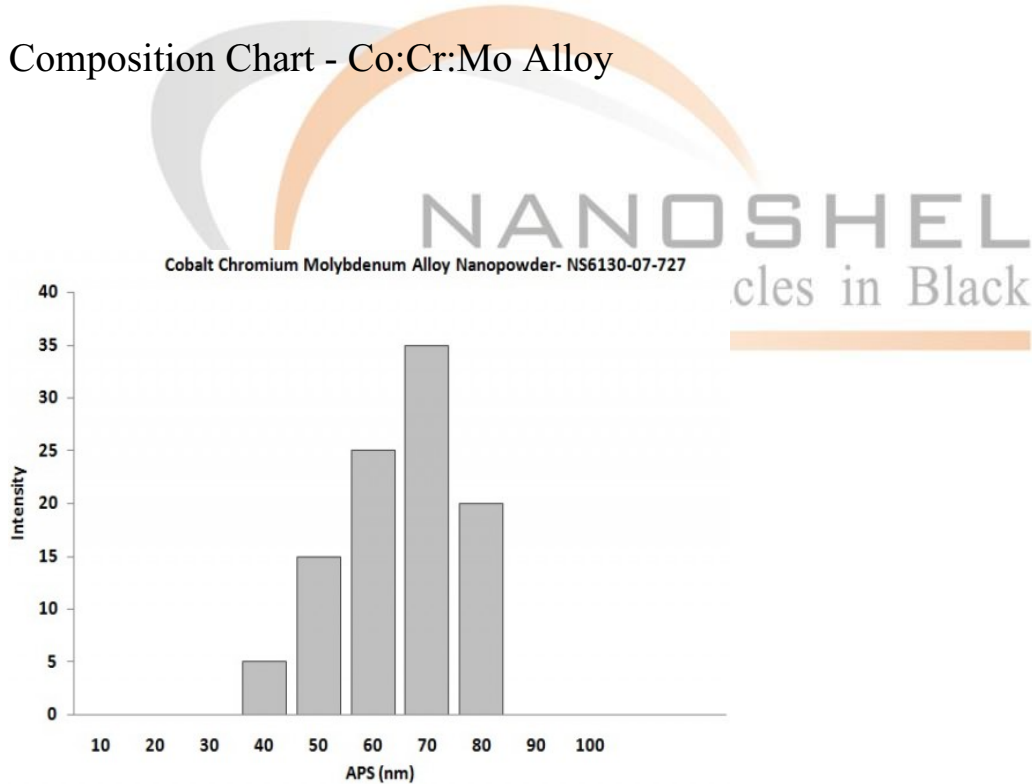
Characterization of Co:Cr:Mo, 99.9%, <80nm

Cobalt Chromium Molybdenum Alloy Nanoparticles



Composition Chart

Composition Chart - Co:Cr:Mo Alloy



Particles Size Analysis - Cobalt Chromium Molybdenum Alloy Powder