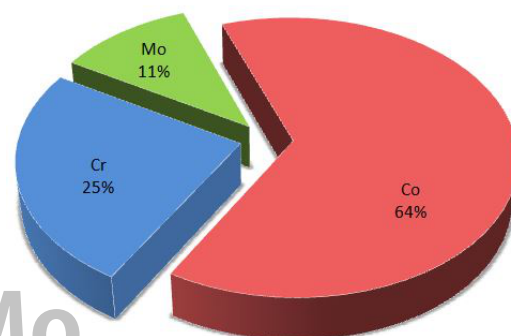




Alloy Cobalt Chromium NANOPARTICLES

Cobalt Chromium Molybdenum Alloy Nanoparticles



Composition Chart

Stock No:
NS6130-07-727

Co:Cr:Mo

CAS	:	12629-02-6
Purity	:	99.9%
APS	:	<80nm
Color	:	Dark Gray
Form	:	Powder

Technical Specification

Molecular Formula	:	Co:Cr:Mo
Relative Density	:	8.29g/cm ³
Melting Point	:	1350-1430 °C

Chemical Composition

Assay	:	99.9%
Co	:	64%
Cr	:	25%
Mo	:	11%

Cobalt chromium Molybdenum alloy is acknowledged as an attractive material in the application of many engineering fields such as aero-engine, nuclear, biomedical and gas turbine. It is mainly attributed to its excellent characteristics such as corrosion resistance, wear resistance, high creep resistance, heat resistance and good biocompatibility. In biomedical application, cobalt chromium molybdenum is widely consumed in the manufacture of orthopedic implants, especially for implants of heavy-loaded joints, such as knee and hip due to its excellent wear and corrosion resistance.

Application:

- ✓ Used in orthopedic
- ✓ Used in Automotive parts
- ✓ Aero-engine, nuclear,
- ✓ Biomedical applications
- ✓ Gas turbine

ISO 9001:2015
CERTIFIED COMPANY



Follow us:



www.nanoshel.com | sales@nanoshel.com

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911