

# SULFAMET

ALLENDE 4158 (1419) C.A.B.A.

TEL/FAX 4504-7682

[Ventas@sulfamet.com.ar](mailto:Ventas@sulfamet.com.ar)

[www.sulfamet.com.ar](http://www.sulfamet.com.ar)

## TECHNICAL DATA SHEET COBALT CATHODE

Molecular Weight	58.93
Appearance	Gray
Melting Point	1495 °C
Boiling Point	2870 °C
Density	8.9 g/cm <sup>3</sup>
Solubility in H <sub>2</sub> O	N/A
Electrical Resistivity	6.24 microhm-cm @ 20 °C
Electronegativity	1.8 Paulings
Heat of Fusion	3.64 Cal/gm mole
Heat of Vaporization	93 K-cal/gm atom at 2870 °C
Poisson's Ratio	0.31
Specific Heat	0.109 Cal/g/K @ 25 °C
Tensile Strength	N/A
Thermal Conductivity	1.0 W/cm/K @ 298.2 K
Thermal Expansion	(25 °C) 13.0 μm·m- 1·K-1

### Application:

1. Magnetic materials
2. Carbide tools
3. Special steels
4. Plating
5. Superalloys