

TECHNICAL DATA SHEET

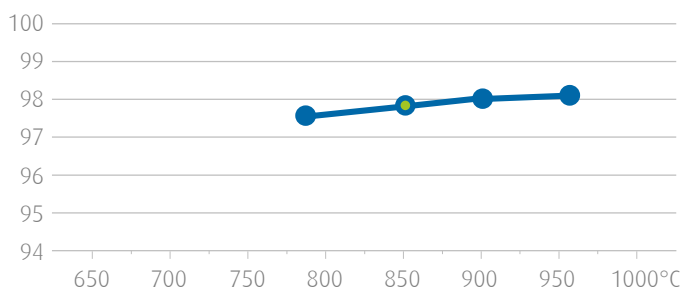
C06102

Pure Cobalt Powder • COD

TYPICAL PHYSICAL AND CHEMICAL DATA

C06102 powder		C05102 / C05112 granulated	
Fisher grain size (μm)	1.8	Scott density (g/cm^3)	2.0
Scott density (g/cm^3)	0.9	Tap density (g/cm^3)	2.3
Oxygen content (wt %)	0.3	Hall flow ($\text{s}/50\text{g}$)	9.0
Cobalt content (wt %)	99.8	Binder (wt %)	2.5 / 3.0
		Granule size (μm)	63 - 450 / 250 - 630

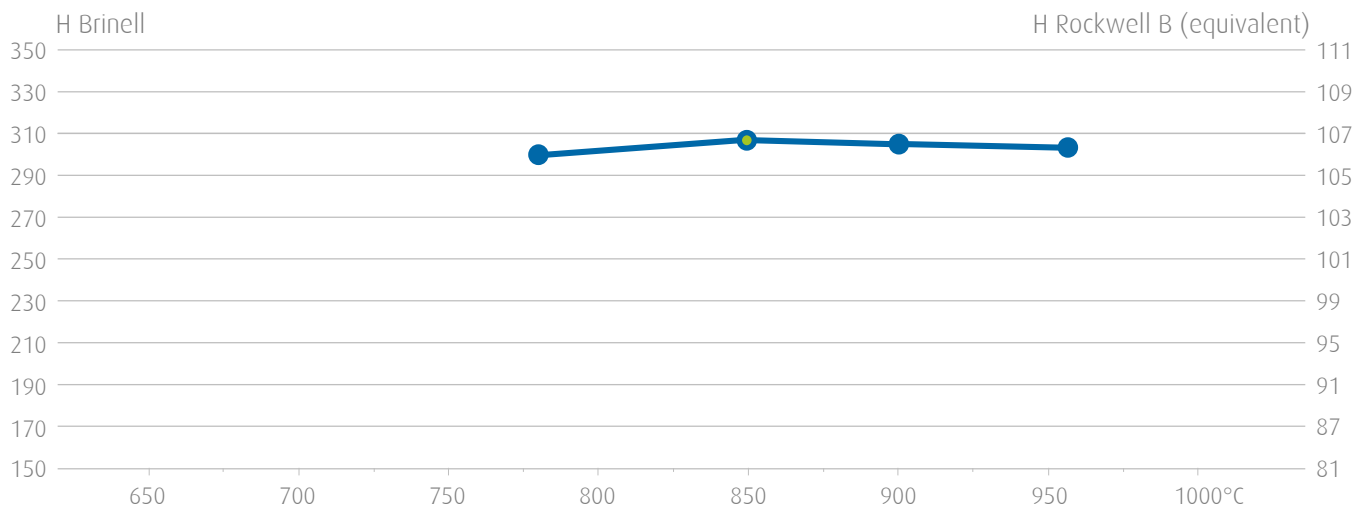
% RELATIVE DENSITY



SINTERING CONDITIONS

Minimum sintering temperature	825°C
Recommended sintering temperature	850°C
Pressure	350kg/cm ²
Holding time	3 min

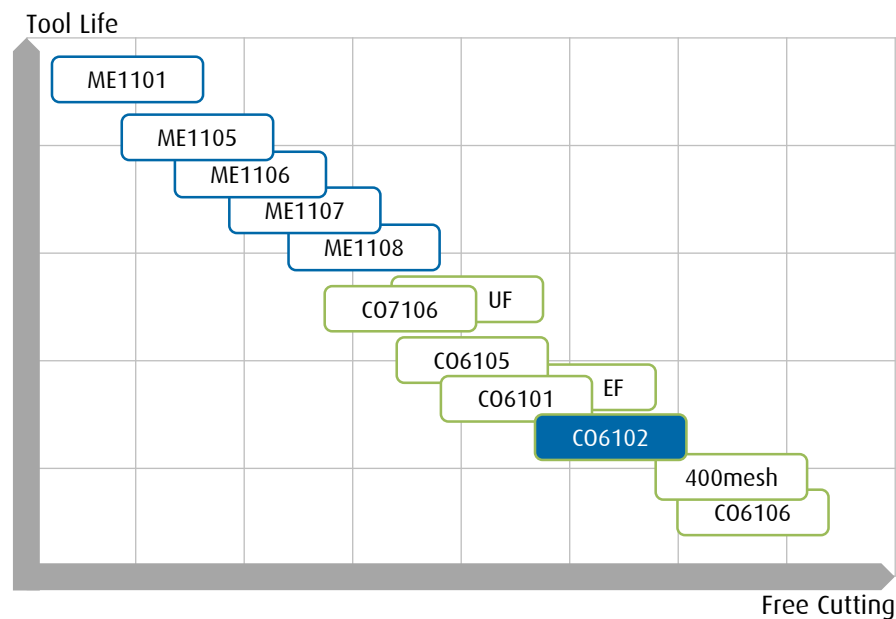
HARDNESS



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PERFORMANCES - RELATIVE POSITIONING



SAFETY & MSDS

Material is packed in aluminized plastic bags under inert atmosphere

Keep bags tightly closed and in a dry area

After opening and to avoid any oxydation, use the desiccant bags placed in the drums for further usage

Review and follow carefully the handling and exposure precautions detailed in the Material Safety Data Sheet (MSDS) or Information Product Sheet (IPS)

For more information, contact toolmaterials@eu.umicore.com

GENERAL INFORMATION

Umicore Cobalt and Specialty Materials produces and markets a variety of Cobalt-, Nickel-, or Tungsten-based chemicals and powders for a broad range of industrial applications including hard metals, diamond tools, pigments, catalysis, plating, paint, tires and animal feed.

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