

TECHNICAL DATA SHEET

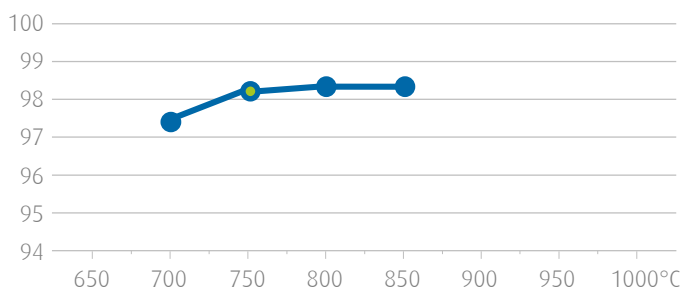
Cobalt Ultra Fine

Spherical Ultra Fine Cobalt Powder

TYPICAL PHYSICAL AND CHEMICAL DATA

Cobalt Ultra Fine	
Fisher grain size (μm)	0.9
Apparent density (g/cm^3)	1.2
Tap density (g/cm^3)	2.5
Oxygen content (wt %)	0.55

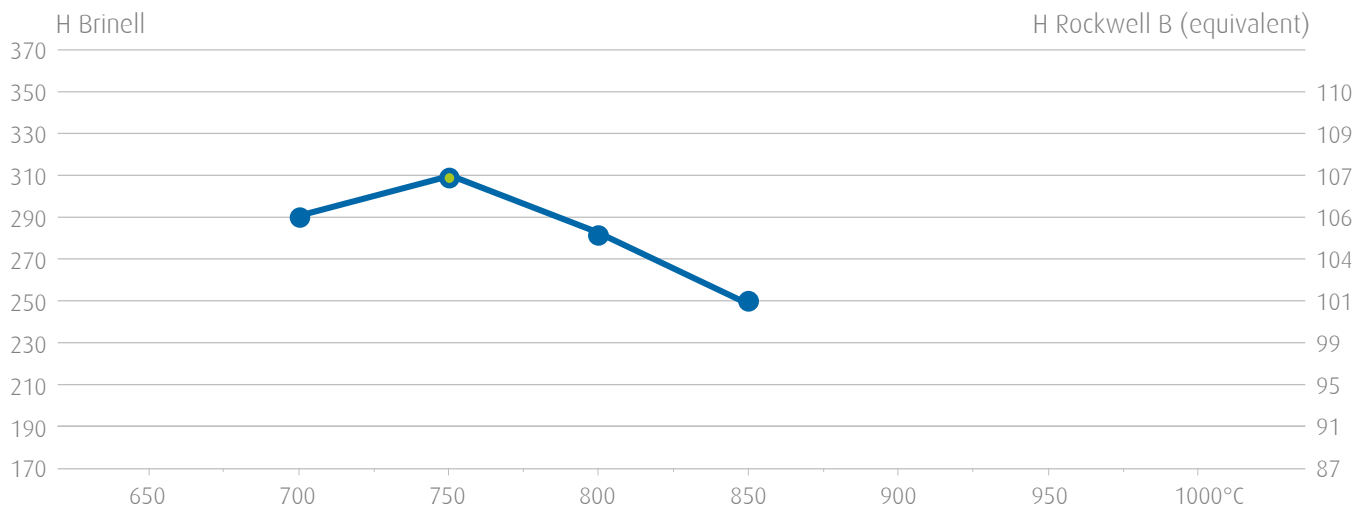
% RELATIVE DENSITY



SINTERING CONDITIONS

Minimum sintering temperature	725°C
Recommended sintering temperature	750°C
Pressure	350kg/cm ²
Holding time	3 min

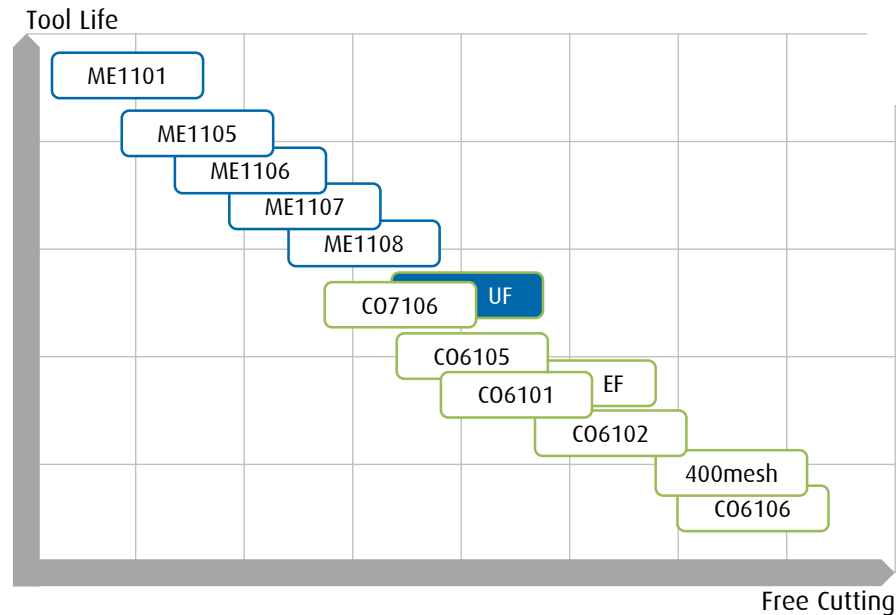
HARDNESS



Cobalt Ultra Fine

Ultra Fine Cobalt Powder

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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