

## TECHNICAL DATA SHEET

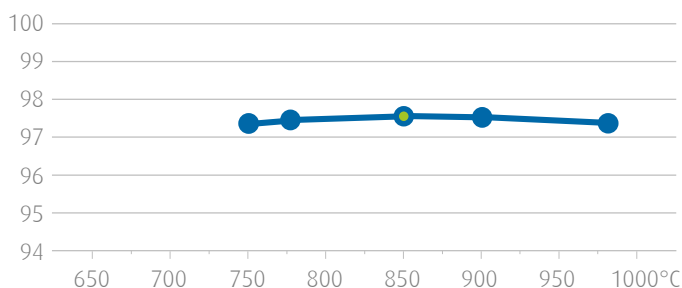
# C06101

Pure Cobalt Powder • COC

### TYPICAL PHYSICAL AND CHEMICAL DATA

| C06101 powder                            |      |
|------------------------------------------|------|
| Fisher grain size ( $\mu\text{m}$ )      | 1.6  |
| Scott density ( $\text{g}/\text{cm}^3$ ) | 0.8  |
| Oxygen content (wt %)                    | 0.3  |
| Cobalt content (wt %)                    | 99.8 |

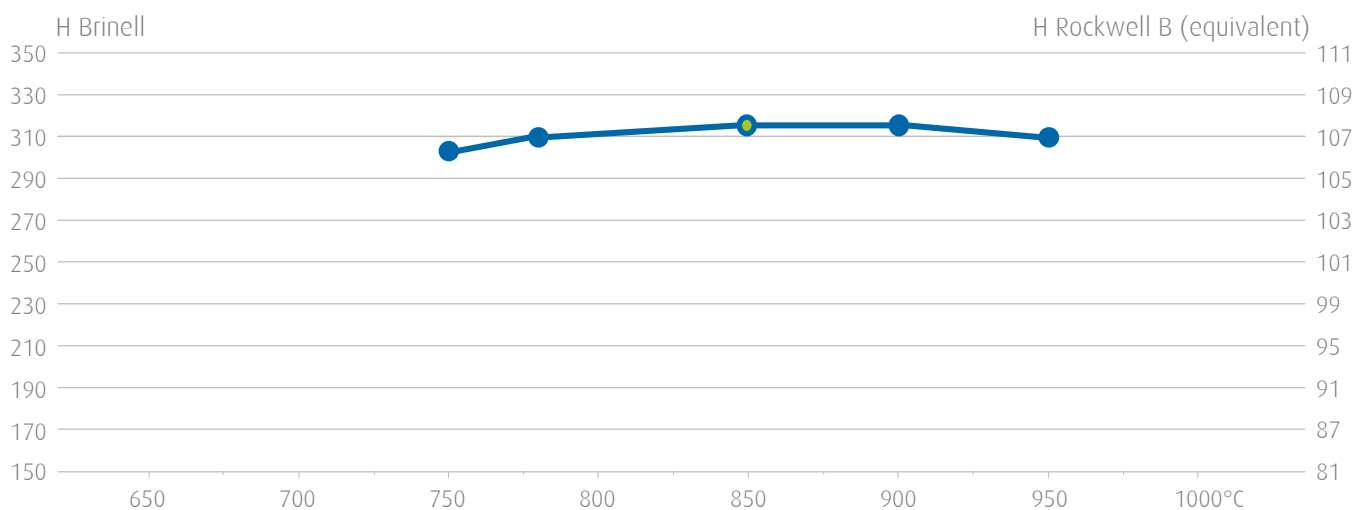
### % RELATIVE DENSITY



### SINTERING CONDITIONS

|                                   |                       |
|-----------------------------------|-----------------------|
| Minimum sintering temperature     | 825°C                 |
| Recommended sintering temperature | 850°C                 |
| Pressure                          | 350kg/cm <sup>2</sup> |
| Holding time                      | 3 min                 |

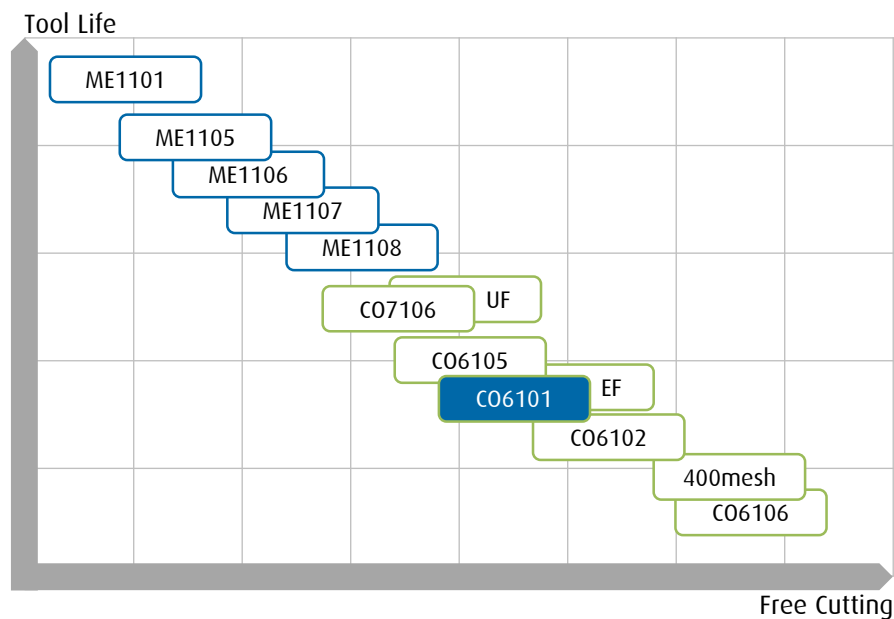
### HARDNESS



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Pure 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](mailto: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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