

TECHNICAL DATA SHEET

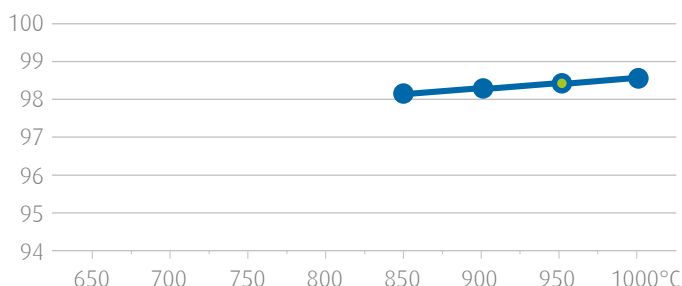
MX4885

Premixed Pre-Alloyed Powder • NEXT®400 + 15% special Fe

TYPICAL PHYSICAL AND CHEMICAL DATA

MX4885 powder		MX4885-1 granulated	
Theoretical density (g/cm^3)	8.21	Scott density (g/cm^3)	2.4
Scott density (g/cm^3)	1.1	Tap density (g/cm^3)	2.7
Tap density (g/cm^3)	2.2	Hall flow ($s/50g$)	7.0
Oxygen content (wt %)	0.5	Binder (wt%)	2.5
		Granule size (μm)	63 - 450

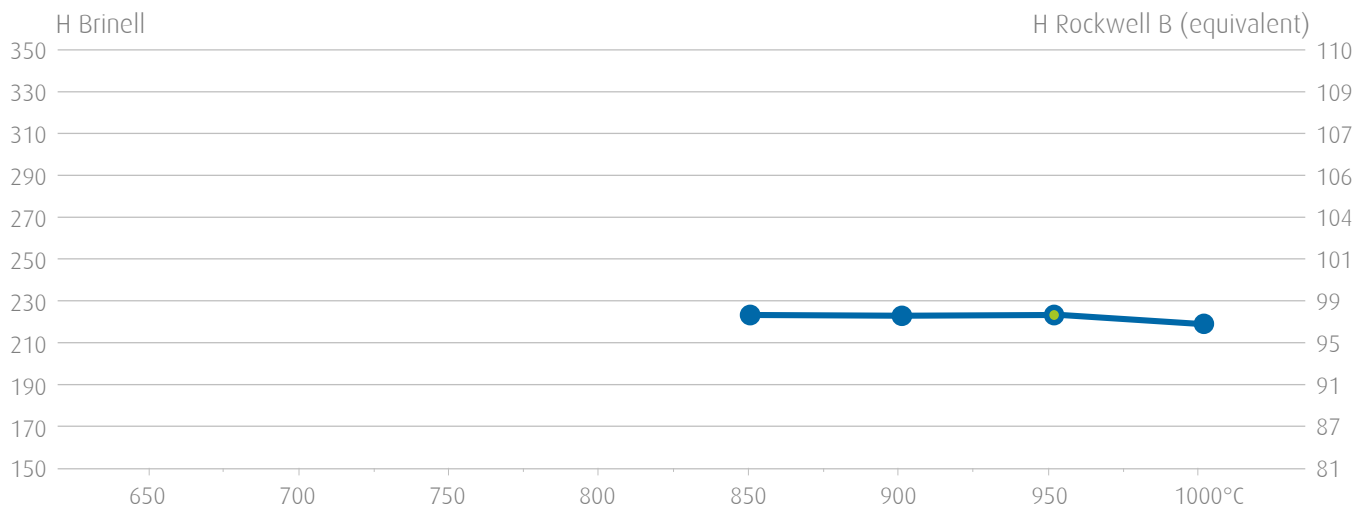
% RELATIVE DENSITY



SINTERING CONDITIONS

Minimum sintering temperature	900°C
Recommended sintering temperature	950°C
Cold Pressure	200 MPa
Holding time	60 min

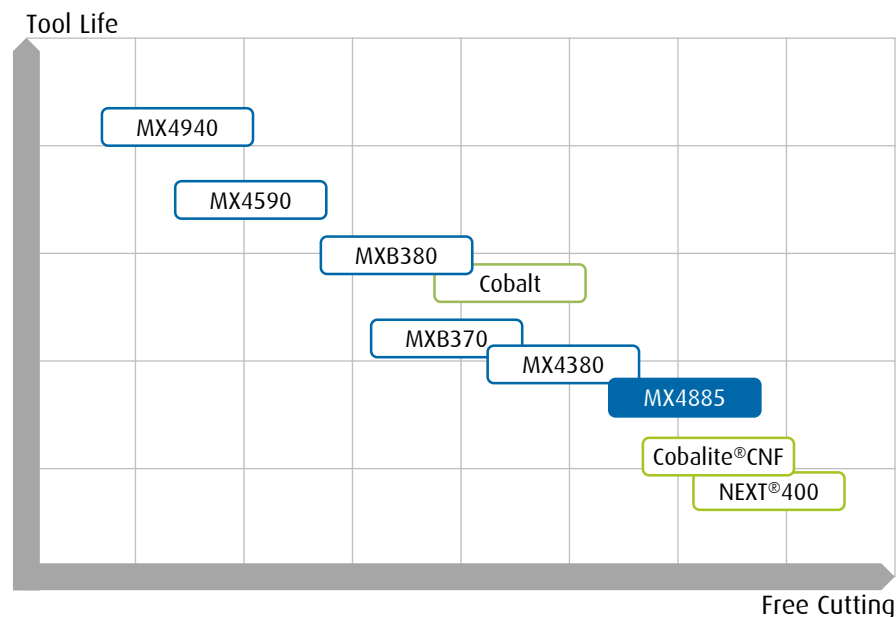
HARDNESS



MX4885

Premixed Pre-Alloyed Powder

PERFORMANCES - RELATIVE POSITIONING



MX4885 : ready-to-use
premixed powder

APPLICATIONS

TOOLS	☒ Saw blade	☒ Quarry wire	☐ Grinding tool
	☒ Core drill	☒ Single wire	☐ Polishing tool
	☐ Gang saw	☒ Multi-wires	☐ Profiling tool

MATERIALS	☐ Limestone	☐ Sandstone	☐ Synthetic stone
	☒ Marble	☒ Concrete	☐ Ceramic
	☒ Granite	☐ Asphalt	☐ Glass

Above information is indicative. For detailed recommendation, please contact us.

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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