

TECHNICAL DATA SHEET

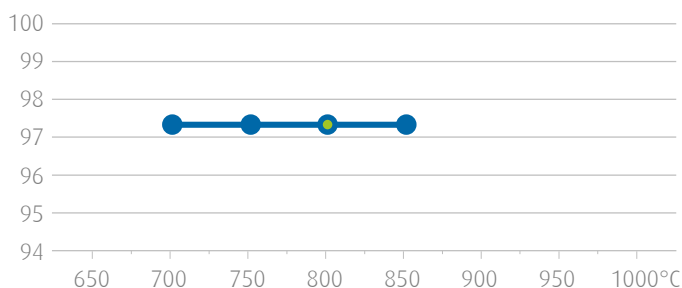
MX1480

Premixed Pre-Alloyed Powder • NEXT[®]100 + 20% Fe

TYPICAL PHYSICAL AND CHEMICAL DATA

MX1480 powder		MX1481 granulated	
Theoretical density (g/cm^3)	8.47	Scott density (g/cm^3)	2.3
Scott density (g/cm^3)	1.0	Tap density (g/cm^3)	2.6
Tap density (g/cm^3)	2.0	Hall flow ($s/50g$)	7.0
Oxygen content (wt %)	0.4	Binder (wt%)	2.75
		Granule size (μm)	63 - 450

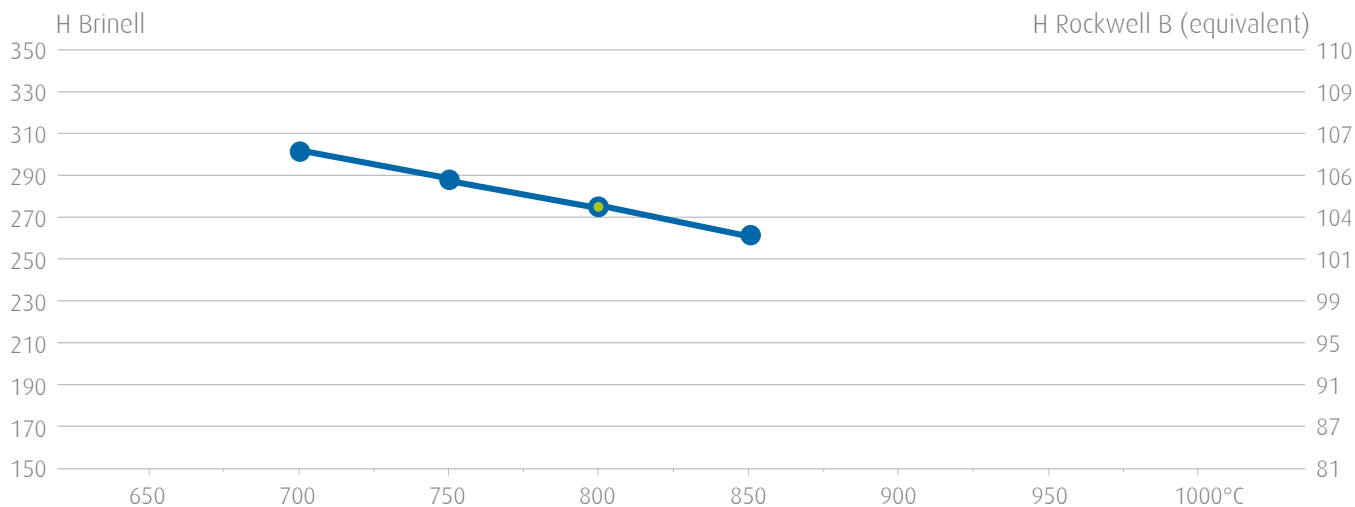
% RELATIVE DENSITY



SINTERING CONDITIONS

Minimum sintering temperature	750°C
Recommended sintering temperature	800°C
Pressure	350kg/cm ²
Holding time	3 min

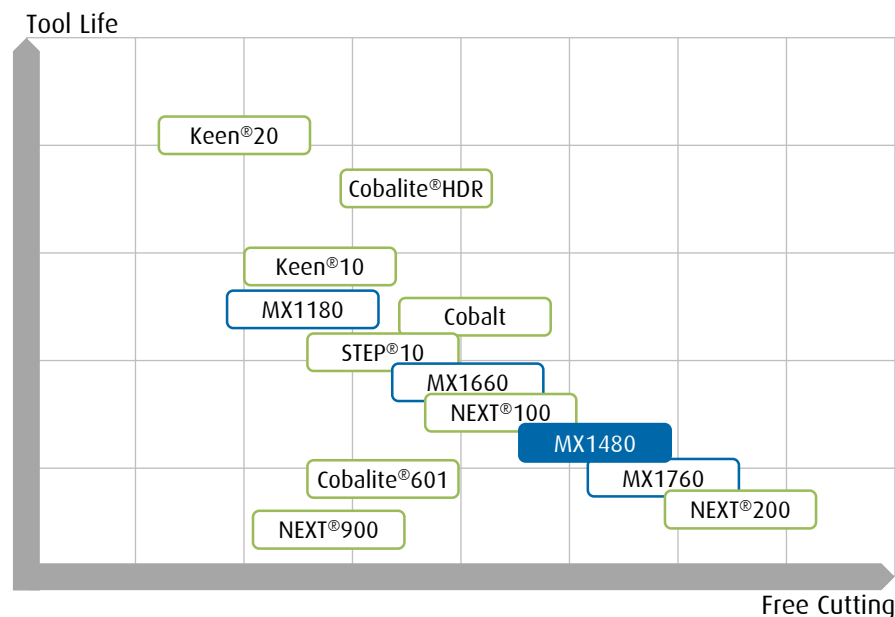
HARDNESS



MX1480

Premixed Pre-Alloyed Powder

PERFORMANCES - RELATIVE POSITIONING



MX1480 : 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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