TECHNICAL DATA SHEET

umicore
Cobalt & Specialty Materials

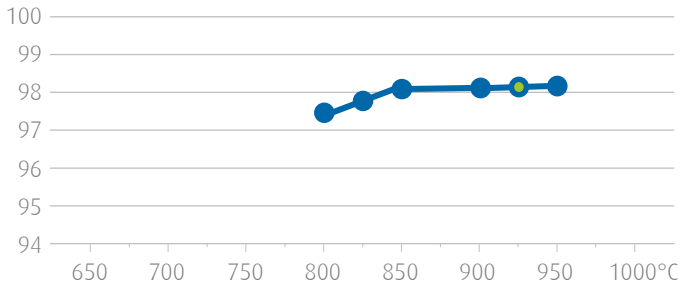
MX4380

Premixed Pre-Alloyed Powder • NEXT®400 + 10% special Ni + 7.5% Br

TYPICAL PHYSICAL AND CHEMICAL DATA

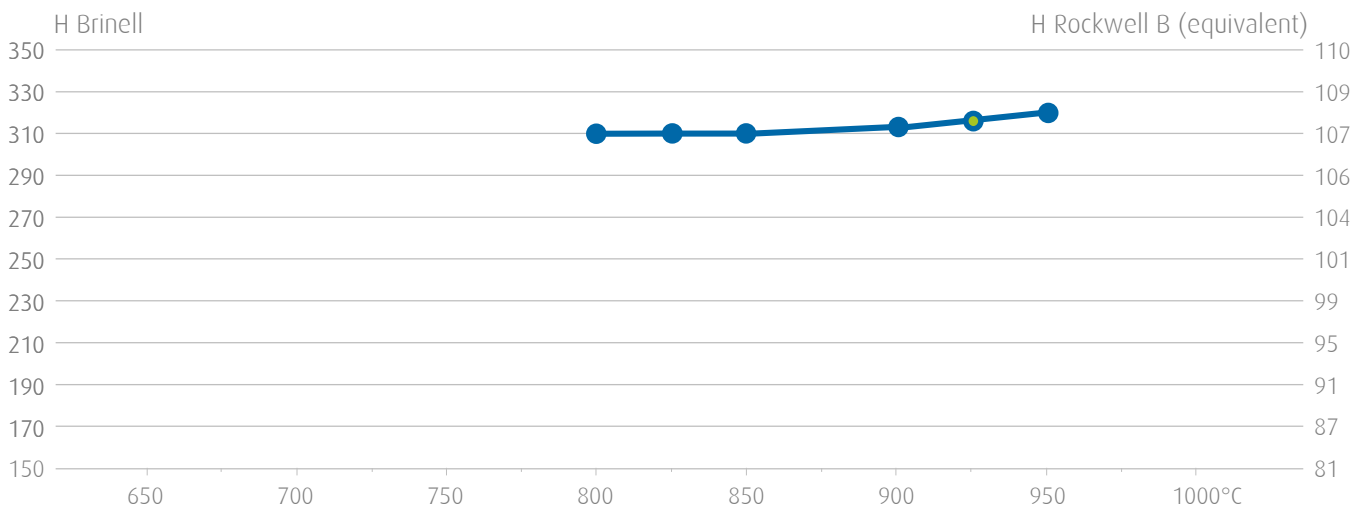
MX4380 powder	
Theoretical density *(g/cm³)*	8.36
Scott density *(g/cm³)*	1.0
Tap density *(g/cm³)*	2.2
Oxygen content *(wt %)*	0.5

% RELATIVE DENSITY



SINTERING CONDITIONS	
Minimum sintering temperature	900°C
Recommended sintering temperature	925°C
Cold Pressure	200 MPa
Holding time	60 min

HARDNESS



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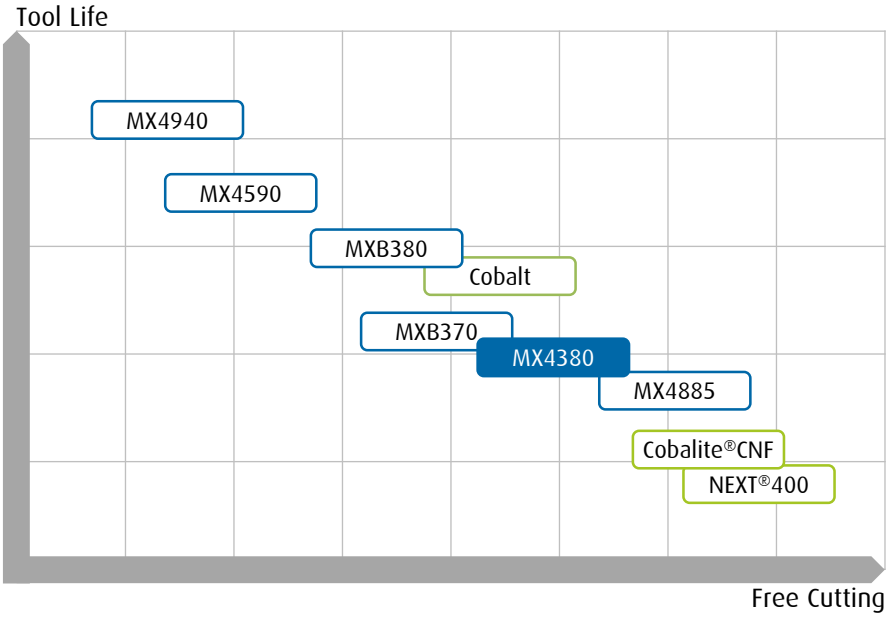
PERFORMANCES - RELATIVE POSITIONING



MX4380 : 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

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