
MIM-Material Specification and Applications

Composition

Material: Hard metal

Standards: ISO K10

Typical composition::	<i>Element</i>	<i>Content (%)</i>
	WC	94
	Co	6
	Other	-

Properties

As sintered

Density	ca. 14.80 g/cm ³
Hardness	≥ 1200 HV50
Yield strength R _{p0.2}	-
Tensile strength R _m	-
Elongation A	-
Surface quality R _a	≤ 1.6 μm

Application / remarks

Hard metal with a WC grain size of 1 μm, for high wear resistance coupled with limited shock resistance. Applications are wire drawing dies, compression tooling, cutting tooling for abrasive materials, wear components for the textile industry etc.

The data given are based on our experience to date. However, no liability can be assumed.