
MIM-Material Specification and Applications

Composition

Material: Tungsten heavy metal

Standards: W2Ni1Fe

Typical composition:

<i>Element</i>	<i>Content (%)</i>
C	≤ 0.015
Fe	1
Ni	2
W	97
Other	-

Properties

As sintered

Density	≥ 18.00 g/cm ³
Hardness	≥ 290 HV10
Yield strength R _{p0.2}	-
Tensile strength R _m	-
Elongation A	-
Surface quality R _a	≤ 1.6 μm

Application / remarks

Heavy metal is used for components where specific gravity is of prime importance.