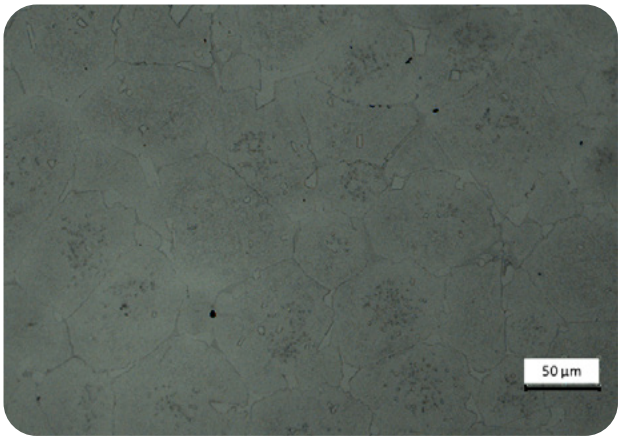
MATERIAL DATASHEET

M2 HSS

COMPOSITION (ASTM A600)

Composition	Amount
Tungsten	5.5-6.75%
Molybdenum	5.0-5.50%
Chromium	3.75-4.5%
Vanadium	1.75-2.20%
Silicon	0.2-0.45%
Carbon	0.85-1.05%
Manganese	0.15%-0.4%
Phosphorous	0.03% max
Sulphur	0.03% max
Copper	0.25% max
Iron	Bal.



MECHANICAL PROPERTIES

Properties	Standard	Tritone As sintered	Tritone Heat treated	Wrought ASTM A600
Ultimate Tensile Strength	ASTM E8	1195 MPa	-	-
0.2% Yield Strength	ASTM E8	2.2%	-	-
Hardness, HRC	ASTM EI8	>50 HRc	>64 HRc	64 HRc
Relative density, %	ASTM B962	>98%	>98%	-

* Properties of as sintered material are affected by the cooling rate of the sintering process.

The mechanical properties are typical values obtained by independent laboratory from parts processed in an industrial sintering furnace.