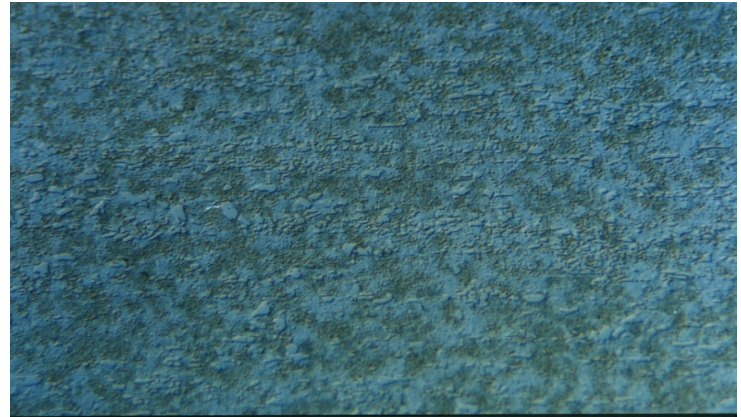


Material : AISI M2 High Speed Tool Steel

Method No. : A11

Results

The microstructure of this high alloy steel consists of alloy carbides in martensitic matrix. Differential interference contrast makes the primary carbides visible.



AISI M2 High Speed Tool Steel
Magnification: 180X Etching: Picral
10%

Preparation Method:

Cutting: Abrasive Cut-off machine with Metlab RC-50+ Abrasive wheel

Mounting: Mounting Press with Diallyl Phthalate

Mechanical Preparation: Metpol-A

Steps	Surface	Abrasive	Lubricant	Force per Sample, (N)/(PSI)	Time min.	Disc Speed, rpm	Relative Rotation
1	PIANO	YELLOW	Water	25/5	1	250	Contra
2	PIANO	BLUE	Water	25/5	1	300	Contra
3	Dac Cloth	3 μ Diamond Suspension	Blue Lube	15/3	4	150	Contra
4	Metlab Cloth	1 μ Diamond Suspension	Blue Lube	15/3	1	150	Contra

FOR MORE DETAILED INFORMATION PLEASE REFER TO METLAB PRICE LIST