

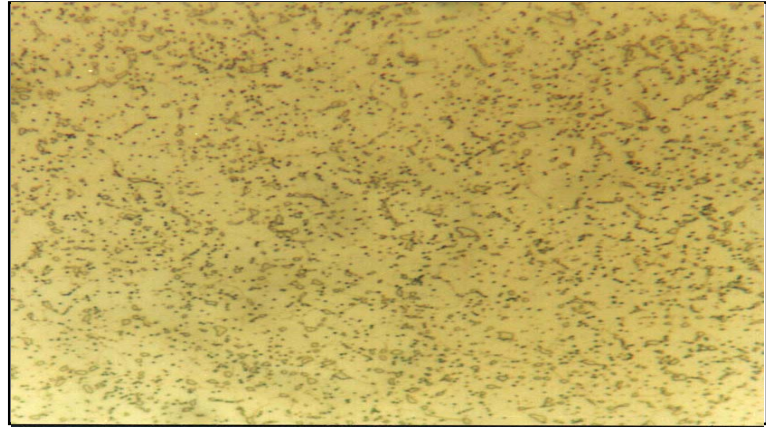
Material : AISI H13 Hot Work Tool Steel

Method No. : A09

Results

AISI H13 Hot work tool steel has high wear resistance due to fine alloy carbides in the martensitic matrix.

AISI H13 is suitable for nitriding to extend the life-time of dies.



AISI H 13 Hot Work Tool Steel, Brightfield

Magnification: 300X

Etching: Picral
10%

Preparation Method:

Cutting: Abrasive Cut-off machine with Metlab Diamond Metal Bonded Wheel

Mounting: Mounting Press with Black Epoxy

Mechanical Preparation: FORCIPOL Grinding / Polishing Machine + FORCIMAT Automatic Specimen Mover.

Steps	Surface	Abrasive	Lubricant	Force per Sample, (N)/(PSI)	Time min.	Disc Speed, rpm	Relative Rotation
1	S/C Paper Disc	180 Grit	Water	30/6	2 min. or until plane	300	Contra
2	S/C Paper Disc	400 Grit	Water	25/5	2	250	Contra
3	S/C Paper Disc	800 Grit	Water	25/5	2	250	Contra
4	Plan Cloth	6 μ Diamond Suspension	Blue Lube	15/3	3	150	Contra
5	Mol Cloth	1 μ Diamond Suspension	Blue Lube	15/3	4	150	Contra

FOR MORE DETAILED INFORMATION PLEASE REFER TO METLAB PRICE LIST