

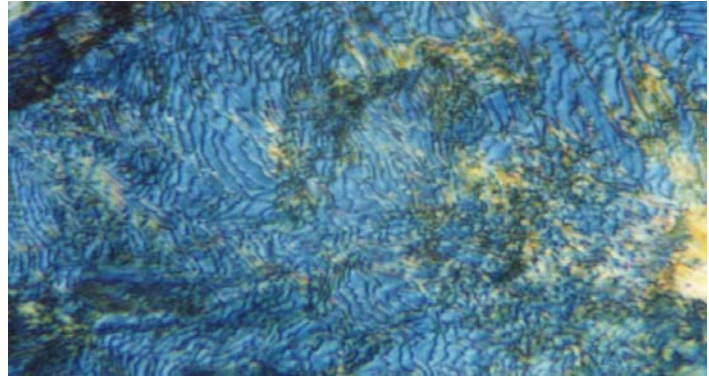
Material : Steel, Pearlitic

Micrologue

Method No. : A03

Results

Pearlitic steels are usually quenched and tempered. Microstructure is completely pearlitic. In high magnifications pearlitic constituents are observed.



Pearlitic structure

Magnification: 1600X

Etching: 3% Nital

Preparation Method:

Cutting: Abrasive Cut-off machine with Metlab RC-35-50 Abrasive wheel

Mounting: Mounting Press with Black Epoxy

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	250	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