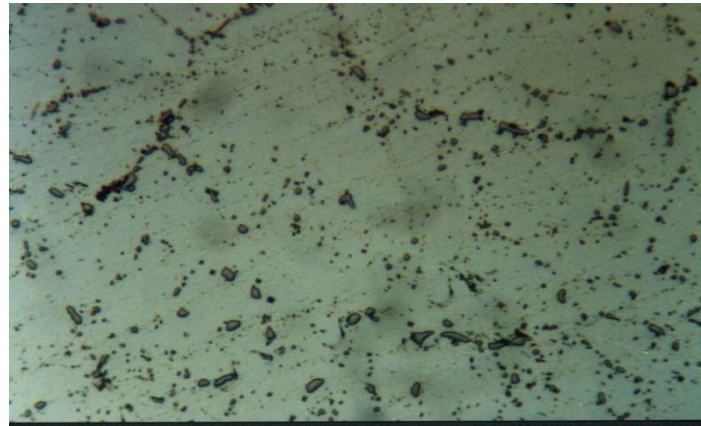


Material : AA8011 Aluminium Alloy

Method No. : C03

Results

The microstructure of wrought aluminium alloy containing low silicon and iron consists of intermetallic phases (dark areas) in aluminium matrix.



AA 8011 Aluminium Alloy, Brightfield

Magnification: 800X

Etching: 10gr. NaOH+100ml H₂O

Preparation Method:

Cutting: Abrasive Cut-off machine with Metlab Abrasive Wheels

Mounting: Mounting Press with Lucite

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