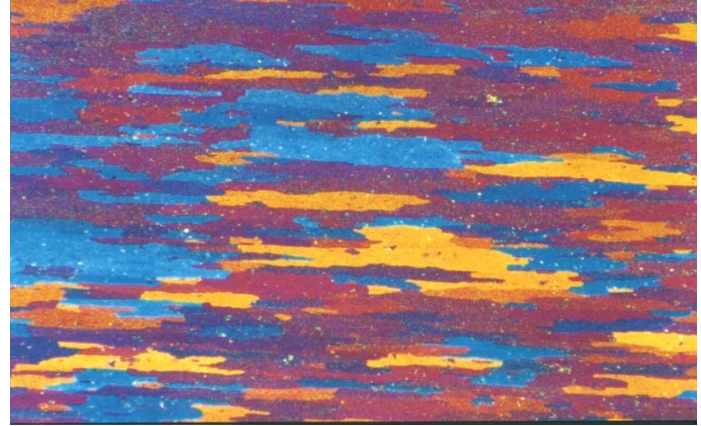


Material : AA7075 Aluminium, wrought

Method No. : C02

Results

The microstructure of heat treated AA 7075 alloy has elongated grains in the cold working direction. The difference in the colour is due to the different grain orientations.



AA 7075 Aluminium, wrought, Polarized Light.
Magnification: 90X Etching: 10gr. NaOH+100ml H₂O

Preparation Method:

Cutting: Abrasive Cut-off machine with Metlab Abrasive Wheels Non-Ferrous

Mounting: Mounting Press with Phenolic Powder

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	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