



1. SCOPE

Cover the requirements of EC Aluminum Redraw Rod 9.5 mm. (3/8") in diameter produced by Continuous Casting Process, for drawing into wire for electrical conductor.

2 MATERIAL

The aluminum rod shall have a minimum purity of 99.5% aluminum and the chemical composition limit specification

Table No.1 : CHEMICAL REQUIREMENTS

Elements	% Composition	
Silicon	maximum	0.10
Iron	maximum	0.40
Manganese	maximum	0.05
Chromium	maximum	0.01
Zinc	maximum	0.05
Boron	maximum	0.05
Gallium	maximum	0.03
Vanadium + Titanium	total maximum	0.02
Other Elements	each maximum	0.03
Other Elements	total maximum	0.10
Aluminum	minimum	99.50

3 PROPERTIES AND DIMENSION

Description	Unit	Technical data
1. Product Code		Aluminum Rod
2. Nominal diameter	mm.	9.5
3. Minimum conductivity	%	61
4. Maximum resistivity	Ω -mm ² / m	0.028264
5. Nominal density	g / cm ³	2.703
6. Minimum tensile strength	kgf / mm ²	10.50 - 14.00 (classified as EC H - 14)
7. Minimum elongation	%	5
8. Standard packing	kg / coil	2000