

**1. SCOPE**

Cover the requirements of EC 1350-H14 Aluminium Redraw Rod 9.53 mm. diameter produced by Continuous Casting Process, for drawing into wire for electrical conductor.

**2. MATERIAL**

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

**Table 1 : CHEMICAL REQUIREMENT**

Element	% Composite	
Silicon	Maximum	0.10
Iron	Maximum	0.40
Copper	Maximum	0.05
Manganese	Maximum	0.01
Chromium	Maximum	0.01
Zinc	Maximum	0.05
Boron	Maximum	0.05
Gallium	Maximum	0.03
Vanadium + Titanium	Total maximum	0.02
Other Elements	Total maximum	0.10
Other Elements	Each maximum	0.03
Aluminium	Minimum	99.50

**3. TECHNICAL DATA****Table 2 : PROPERTIES AND DIMENSION**

Description	Unit	Technical data
1. Product code	-	A11010905
2. Nominal diameter	mm.	9.53
3. Minimum conductivity	% IACS	61.4
4. Maximum resistivity	$\Omega$ -mm <sup>2</sup> /m	0.02808
5. Nominal density	g/cm <sup>3</sup>	2.705
6. Minimum tensile strength	MPa	103-138 (classified as EC 1350-H14)
7. Standard packing	kg/coil	2,000