



**KOTHARI METSOL
PVT. LTD., PUNE**

PRODUCT SPECIFICATION

**TITLE: ZINC WIRE
(99.995% Purity)**

**REF. NO : PDS/911
ISSUE NO. : 02
REV. NO. : 00
DATE : 19.07.2016
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- 1. SCOPE:** This Specification Covers Zinc Wire majorly used for Spray Metallization
- 2. GENERAL:** Zinc Wires manufactured from Virgin Quality Special High Grade Zinc through Continues Casting and Rolling process.

3. CHEMICAL COMPOSITION:

Material Purity is as per BS EN 1179-2003 Z1 and ISO 14919:2015 and IS: 12447-1988.

Element	% of Element
Zinc	99.995%
Lead	0.0030%
Cadmium	0.0030%
Iron	0.0020%
Tin	0.0010%
Copper	0.0010%
Aluminium	0.0010%
Total of all above	0.0050%

- 4. SIZE:** Zinc Wire having sizes:
 ϕ 1.20 mm to ϕ 6.00 mm with Tolerance. As per below chart

Sr. No.	Size	Acceptance Criteria
1	$\geq 1.20\text{mm}$ to $\leq 4.00\text{mm}$	+0.00mm -0.05mm
2	$\geq 4.00\text{mm}$ to $\leq 4.76\text{mm}$	+0.00mm -0.07mm

5. PHYSICAL PROPERTIES

Sr. No.	Type	UTS	Elongation
1	Zinc wire	90-110 mpa	Min 60 %

- 6. SAMPLING PLAN:** One sample per 1 Ton lot.

7. ACCEPTANCE CRITERIA:

- Zinc Wire should be free from Burrs, Cut's Kinks and Bends etc.
- Zinc Wire should be bright shiny in appearance.
- Twist Test: Wire should not split.
- 'U' pin test: No abnormality like surface crack, deformation should be visible.



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8. HANDLING AND STORAGE: Zinc Wire is supplied in

1. 350/400/450/500 kg metal drum
2. 300/250 kg Paper Fiber Drum
3. 40/80/100/125 kg Paper Fiber Drum.
4. Loose coils approx.30-40 kg.
5. 3/15/20 kg Spool

9. SHELF- LIFE: Zinc wire has infinite shelf life, if stored in control condition.

**Prepared by:
HOD Q.A.**

**Approved by:
Vice President (Ops.)**

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