

JMW INDIA PVT LTD.WORKS: NEAR SIDCO ESTATE OFFICE, SIDCO
INDUSTRIAL COMPLEX, BARI BRAHMANA,
JAMMU-181134

QUALITY DEPT.

MATERIAL SPECIFICATION

MATERIAL: PAPER COVERED STRIP

1. SCOPE:-

This specification covers **PAPER COVERED COPPER STRIP**, for electrical purpose. With reference to the properties, Acceptance criteria etc, under following headings.

- 1.1 Relevant information from Indian/ international standards, & vendor's specification.
- 1.2 Major properties
- 1.3 Acceptance criteria & routine test at vendor or external testing institutions

2. REFERENCE SPECIFICATION:-

INDIAN :- IS 13730 (PART - 27)- 1996
INTERNATIONAL :-

3. MAJOR PROPERTIES :-**3.1 CHEMICAL PROPERTIES:****3.1.1 USED OXYGEN FREE HIGH CONDUCTIVITY COPPER STRIP****3.2 PHYSICAL PROPERTIES FOR PAPER COVERED STRIPS :-**

| | |
|---|-------------|
| 3.2.1 TENSILE STRENGTH, MPA (MIN.) | = 205 |
| 3.2.2 ELONGATION) GUAGE-LENGTH= 50MM) % MIN. | = 35 |
| 3.2.3 RESISTIVITY Ohm mm ² /m (MAX.) | = 0.0172410 |
| 3.2.4 CONDUCTIVITY, IACS (MIN.) | = 100.00 |
| 3.2.5 HARDNESS, HV (MAX.) | = 60 |
| 3.2.6 OXYGEN, PPM (MAX.) | = 5.00 |
| 3.2.8 MODE OF OVER LAPPING (%) | = 25 TO 35 |
| 3.2.9 BUT LAP (MM) | = 1 TO 2 |

4.0 INSULATION TOLERANCE:-

INSULATION, (%) = -5 TO -10

5.0 ACCEPTANCE CRITERIA :

The following Test Certificate shall be submitted :

ROUTINE TEST (FOR EVERY LOT)
CHEMICAL ANALYSIS
PHYSICAL PROPERTIES

Revision No : 01

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Issued By:



Approved By:

P.K SAXENA
GENERAL MANAGER