



PLANT PURCHASING SPECIFICATION BHOPAL

BP 22584

REV No. 03

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SUPERSEDES
BP 22584 Rev.02

POLYVINYL CHLORIDE (PVC) ADHESIVE TAPE

1. GENERAL :

This specification governs the quality of pressure sensitive adhesive tape made of plasticized polyvinylchloride (PVC) with a non thermosetting adhesive coated uniformly on one side. The tape shall have a temperature index of at least 90.

2. APPLICATION :

Used for the insulation of Bus-bar joints on 11 kV metal clad switchgear and for other technological applications.

3. COMPLIANCE WITH NATIONAL STANDARDS :

This specification is generally identical to General Purpose Type tape to IS:7809 (Part 3/Sec.1) - 1986 Reaffirmed 2007.

"Specification For Pressure Sensitive Adhesive Tapes For Electrical Purposes".

4. DIMENSIONS AND TOLERANCES :

4.1 Sizes : Thickness, width and length of the tape shall be stated on the order.

4.2 Standard Thickness & Tolerances : 0.125 mm with tolerance of $\pm 10\%$.

4.3 Preferred Width & Tolerance : 20, 25 mm with tolerance of ± 1.0 mm.

However any other width can also be ordered.

4.4 Length / Roll : 50 Metre.

However any other length can also be ordered.

5. COLOUR : Unless otherwise specified, the tape shall be in black colour.

6. FINISH :

The tape shall be free from surface or edge defects, inclusions, voids, pin-holes, Cracks which may affect its suitability for use.

Revision : Reviewed & Brought upto date

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7. SPLICES :

The splices in the tapes shall be not more than one in a length of 10 m, and also not more than one in a roll.

8. SHELF LIFE : 12 months at normal room temperature.

9. TEST METHODS :

Unless otherwise specified, the tests shall be conducted in accordance with the relevant methods of IS:7809 Pt.II).

10. SAMPLE FOR TEST :

A roll of 50 m length shall be supplied for testing and approval purposes.

11. PHYSICAL PROPERTIES :

11.1 Adhesion Strength to Steel : 1.6 N/cm Width, Min.

12. MECHANICAL PROPERTIES :

12.1 Tensile Strength : 150 N per cm width, per mm thickness, Min.

13. ELECTRICAL PROPERTIES :

13.1 Electric Strength at Room temperature : 40 kV/mm, Min.

14. TEST CERTIFICATE :

Unless otherwise specified, three copies of test certificates shall be supplied with each consignment .

In addition, the supplier shall ensure to enclose one copy of the test certificate alongwith their despatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information.

BP 22584 : Polyvinylchloride (PVC) Adhesive Tape.
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BHEL Order No.

Batch / Lot No.

Shelf Life.

Test values obtained / certificate for compliance for clauses 4 to 8 & 11 to 13.



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15. PACKING AND MARKING :

- 15.1 The tape shall be supplied in rolls / reels wound on suitable bobbins with both sides well protected so as to prevent distortion of the roll under normal conditions of transportation and use.
- 15.2 Each roll shall be marked with "USE BEFORE.....
(Date of Expiry), manufacturer's Name & Our Specification No".
- 15.3 Tape shall be packed in such a manner that it is adequately protected from damage in transportation and from deterioration due to climatic condition. Rolls shall be protected in such a manner that they will not adhere to each other or to the container.
- 15.4 Each package shall be marked with the following information.
- BP 22584 : Polyvinylchloride (PVC) Adhesive Tape.
- BHEL Order No.
- Batch/Lot No.
- Manufacturer's Name and Grade.
- Thickness, Width & Length.
- Month & Year of Manufacture.
- Quantity.