



## PLANT PURCHASING SPECIFICATION BHOPAL

BP 23783

REV NO. 02

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### NON - CONDUCTING POLYESTER FOAM STRIP

SUPERSEDES  
BP 23783 Rev.01

#### 1. GENERAL :

This specification governs the technical requirements of Non-Conducting Polyester Foam Strip made of polyester fibres, bonded with polyacrylate and finished with polyurethane coating. The material shall be termite and bacteria proof and shall have good resistant to water, petrol, oil, grease, detergent etc. suitable for use at 110 deg.C, Max.

#### 2. APPLICATION :

Used as packing material at slot bottom of electrical machines.

#### 3. COMPLIANCE WITH NATIONAL STANDARDS :

There is no Indian Standard covering this material.

#### 4. DIMENSIONS AND TOLERANCES :

4.1 Preferred Thickness : 1.10 mm with tolerance of  $\pm 0.025$  mm.

4.2 Preferred Width :

25, 30, 50 mm with a tolerance of  $\pm 0.5$  mm. However any other width can be ordered.

4.3 Length : A roll of 500 metre.

5. IDENTIFICATION : The material when identified by Infrared spectrometer or by any other convenient method shall be polyester.

6. TEST METHODS : Unless otherwise specified, the tests shall be conducted in accordance with the relevant methods of IS:5351.

#### 7. SAMPLE FOR TEST :

2 sheets of required thickness in size 500x500 mm shall be sent for test and approval purposes.

#### 8. PHYSICAL PROPERTIES :

8.1 Substance :  $80 \text{ gm/m}^2$  Min

Revision : Reviewed & Brought upto date

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8.2 Water Content : 0.5 % Nom, shall be determined after ageing at  $100 \pm 2$  deg.C for  $24 \pm 0.5$  hour, after preconditioning at  $27 \pm 2$  deg.C and  $65 \pm 5\%$  RH, for 18 hours.

### 9. MECHANICAL PROPERTIES :

9.1 Tensile Strength : 50N / cm, Min.

9.2 Elongation : 17 % Min.

### 10. TEST CERTIFICATE :

Unless otherwise stated, three copies of certificates shall be supplied alongwith each consignment. In addition, the supplier shall ensure to enclose one copy of test certificate along with their despatch documents to facilitate quick clearance of the material. The test certificate shall bear the following information:-

BP 27383 : Non-Conducting Polyester Foam Strip

Rev. 02

BHEL Order No.

Drawing No. & Item No. if any.

Supplier's Name & Trade Mark, if any.

Test results of clauses 4, 8 & 9.

### 11. PACKING AND MARKING :

Material shall be suitably packed to prevent damage from contamination and handling during transit. Each package shall be legibly marked with the following information :

BP 23783 : Non Conducting Polyester Foam Strip

BHEL Order No.

Manufacturer's/Supplier's Name and Trade.

Mark, if any.

Batch No.

Size & Quantity.