

PREFACE SHEET

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**International** : IEC 60763-3-1 : 2010, Type LB3.1A.1 or LB3.1A.2

Refer plant vendors list

1) HEP, BHOPAL : BP21198  
2) TP, JHANSI : BP21198

**APPROVED:**  
INTERPLANT MATERIAL RATIONALISATION  
COMMITTEE – MRC(E&M)

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# CORPORATE PURCHASING SPECIFICATION

AA21109

Rev No. 05

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## PRESSBOARD – LAMINATED FOR ELECTRICAL PURPOSES

### 1 GENERAL

This specification governs the quality requirements of a very hard and rigid laminated precompressed pressboard made by 100% sulphate wood pulp board characterised by high purity and mechanical strength and capable of being sheared without showing ragged edges. Its surface bears mash marks. The laminates are manufactured by building up laminate of solid precompressed pressboard by hot pressing with casein based adhesive or non-aqueous adhesive, free from extraneous matter in the solid plastic state. The material shall be free from soluble electrolyte such as chlorides, sulphates and carbonates and also from conducting particles. The material in insulating oil shall have temperature index of at least 105°C.

### 2 APPLICATION

The material is used as coil spacers, flat washers, edge blocks and clamping rings etc. in transformers, reactors etc.

### 3 COMPLIANCE / PROPERTIES

The material shall comply with the requirements of the latest edition of IEC 60763-3-1:2010 Type LB3.1A.1 or LB3.1A.2. Bidder to mentioned type offered.

### 4 DIMENSIONS AND TOLERANCES

Thickness, width and length of the pressboard shall be stated on the order. The sheet shall be rectangular in shape with the two diagonals being equal. Sheet shall not form parallelogram. Two diagonals of the sheet shall be within  $\pm 5$  mm.

### 5 PREFERRED THICKNESS

8, 12, 16, 20, 25, 30, 40, 50mm and above in multiple of 10mm

### 6 PREFERRED SIZE

1800 X 3000mm, 2100 X 3100mm (With a tolerance of  $\pm 100$ mm on length & width). However, other sheet sizes may be purchased as per requirements.

### 7 FINISH

Shall have matt finish with no irregularities.

### 8 METHOD OF TESTS

IEC 60763-2

### 9 SAMPLE FOR TEST

Three boards of ordered thickness in 500 X 500 mm size shall be supplied for testing and approval.

**Revisions:** Spec. completely revised in line with International Standard

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