

TECHNICAL SPECIFICATION & GUARANTEED TECHNICAL PARTICULARS
of Insulating Press Paper (Leatheroid Paper) TYPE-D

Insulating Press Paper (Leatheroid Paper) **TYPE-“D”** (Electrical Grade Insulating Paper) (EGIP) of BEST Quality suitable for coil winding of 11/0.4 KV Distribution Transformer of various capacity **conforming to IS 8570/1977** or relevant IEC (and any other latest amendments thereafter).

Thickness - **10 MIL**
Width - 1000 mm ($\pm 5\%$)

Raw material: Press paper-Type D is a hard press paper sometimes referred to as press pahn; usually made from chemical **wood pulp**. Press paper is a Multilayer paper made by a continuous process from pulp entirely of natural vegetable origin and of high chemical purity.

The manufacturer shall use the raw material as per IS/IEC. The manufacturer shall produce copy of invoices of raw material (wood pulp) purchased by manufacturer as desired by the inspecting authority at the time of inspection.

TECHNICAL PARTICULARS

No.	Particulars	Unit	Specification
1	Thickness	mm	0.25 \pm 0.02
2	Density	Kg/m ³	1000 (Min)
3	Oil Absorption	%	21.0 (Min)
4	Electric Strength at 90 degree C In Air	KV	2.0 (Min)
5	Electric Strength at 90 degree C In Oil	KV	12.0 (Min)
6	Tensile Strength MD	N/15mm width	190 (Min)
7	Tensile Strength CMD	N/15mm width	70 (Min)
8	Conductivity of aqueous Extract	mS/m	3.0 (Max)
9	pH of aqueous Extract	-	5.0-8.5
10	Moisture Content	%	8.0 (Max)
11	Ash Content	%	2.00 (Max)
12	Elongation MD	%	1.0-2.0 (Min)
13	Elongation CMD	%	3.0-7.0 (Min)

Note:-

1. All specification and Testing should be as per relevant IS/IEC with latest amendment.