Insulation Pressboard

INSULATION PRESSBOARD
V:PB 1.5

Features
- Good Dimensional Stability
- Good Dielectric Strength
- High Mechanical Strength
- High Purity
- High Ability to absorb dielectric oil
- Good Elongation
- Uniform Colour, Thickness and stable density
- Excellent Flexibility
- Low Compressibility
- Low Cost
- Easy to fabricate

Description
Insulation Pressboard, also known as Transformer Board and Pre Compressed Pressboard is made up of cellulose fibers to be in aid of insulation structures. Pressboard is manufactured by by pressing layers of cellulose paper under heat and pressure to form a laminate. The Cellulose Fibers are processed into various Grades and thickness in form of sheets.

Application
- Oil Cooled Power and Distribution Transformers.
- Instrument Transformers
- Shunt Reactors
- Inductors
- Varied machinery components
- Insulation Kit
- Moulded Components
- Electrical Devices
- Capacitors
## Properties

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Unit</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>mm</td>
<td>Min 1.5 +/- (5-7.5%)</td>
</tr>
<tr>
<td>Apparent Density</td>
<td>g/cm³</td>
<td>Min 1.1- Max 1.30</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>Mpa</td>
<td>MD/&gt;/ 105</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CMD/&gt;/ 80</td>
</tr>
<tr>
<td>Elongation</td>
<td>%</td>
<td>MD/&gt;/3.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CMD/&gt;/4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MD:/&lt;0.5</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>%</td>
<td>CMD:/&lt;0.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thickness: /&lt;5</td>
</tr>
<tr>
<td>Moisture Content</td>
<td>%</td>
<td>/&lt;6</td>
</tr>
<tr>
<td>Ash Content</td>
<td>%</td>
<td>/&lt;1</td>
</tr>
<tr>
<td>Conductivity</td>
<td>mS/m</td>
<td>/&lt;8</td>
</tr>
<tr>
<td>Ph of Aqueous Extract</td>
<td>---</td>
<td>Min 6 Max 9</td>
</tr>
<tr>
<td>Oil Absorbtion</td>
<td>%</td>
<td>/&lt;9</td>
</tr>
<tr>
<td>Electrical Strength in Oil</td>
<td>Kv/mm</td>
<td>/&lt;30</td>
</tr>
</tbody>
</table>

### Test Method

IEC 60461 And ASTM.

### Availability

Width:1000mm +/-10mm  
Length:1000mm +/-10mm

### Packing

In Pallets and sheets covered with strong polythene.

### Storage

VIP1.5 should be stored in cool, clean and dry condition.

### Shelf Life

At Normal Room Temp: Unlimited Shelf Life

### Health And Safety

The sheets are non toxic. No Material Safety data sheet is required for this product.

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**Disclaimer**

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application.