TECHNICAL DATASHEET

Vidseal
End protection finishing shrink tape

No.vds 3.85

Description

Viclsealno vcls3.85 is a thermo shrinkable end protection tape, processed using closely and neatly woven fabric with blend of polyester fiber in warp direction and glass fiber in weft direction impregnated on both sides with specially treated resin laminated with polyester film on one side. Vcis 3.85 can be supplied with and without zinc napthanate for epoxy anhydrite system. Vidseal vds series can also be supplied with higher resin content also on special request

Features

- Polyster Fin:1on One side
- Protection Tape For Vpi
- Very Flexible
- Economical
- For high voltage application

Application

Vidseal Vds 3.85 is used as end winding tape as final layer in overhangs of low and high voltage electrical coils processed using Vaccum Pressure Impregnation (Vpi) insulation system. Vds 3.85 will shrink under temperature' and protect the overhangs against stress.

Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>Unit</th>
<th>Vidseal 3.85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>mm</td>
<td>0.085±0·015</td>
</tr>
<tr>
<td>Substance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass polyester</td>
<td>g/sqm</td>
<td>34+/-3</td>
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<tr>
<td>fabric</td>
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</tbody>
</table>
### Resin content
- **g/sqm**: 25+/-5

### Polyster film
- **g/sqm**: 26+/-2

### Total weight
- **g/sqm**: 85+/-10

### Tensile strength
- **n/cm**: 60

### Elongation md
- **%**: >15

### Breakdown voltage
- **kv**: >4

### Shrinkage MD
- **%**: < 1.5 At 70 Degree C for 2 hours

### Thermal class
- **%**: < 8 At 125 Degree C for 2 hours

### Colour
- **light red brown**

**Test Method:** IEC 371-2

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**Processing Advise**

Vds 3.85 is thermo shrink tape should be applied half lapped by hand or taping machine. The polyster film should face outside when applied, Vds 3.85 will shrink when applied at low temperature. The curing temperature depends upon the Vpi resin in use.

**Availability**

- **Tape form:** 10mm +/-0.5mm onwards length: 50 mtrs

**Storage**

- **V ds 3.85'** should be taped in dust free space
  - At 20 Degree C 12 Month
  - At 5 Degree C 24 Month

**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.