

Sealing Tape



VIDSEAL : VDS 3.85 OVERHANG THERMOSHRINKABLE FINISHING TAPE

Features

- Polyester film on one side
- Protection Tape for VPI And RR
- Very flexible
- High voltage application
- Compatible to Impregnating Resin
- Free from Pinholes, Airgaps and Wrinkles

Description

Vidseal no. VDS 3.85 is a thermoshrinkable end protection tape, processed using closely & neatly woven fabric with blend of polyester fiber in the warp (Vertical) and glass fiber in the weft (horizontal) direction, impregnated on both sides with specially formulated resin and laminated with polyester film on one side.

VDS 3.85a. contains a metallic salt (zinc naphthate) suitable for epoxy anhydrite system.

Application

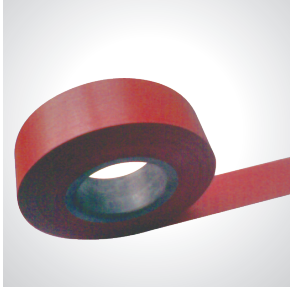
Vidseal VDS 3.85 is used as end winding tape as final layer in overhangs of low and high voltage electrical coils and bars processed using VPI and Resin Rich insulation technology which eliminates any pin holes in the insulated coils.

It protects the overhang against stress, moisture, atmospheric pollution and external damage.

Additional Feature

Vidseal VDS 3.85 shrinks under temperature during the curing process and helps to prevent the drain out of the resin and results in compression of main wall insulating tapes.

Due to compression the thermal and electrical properties of the coil or bar can be improved to a great extent.



Properties

| Physical Properties | Unit | Values | | Tolerance +/- | Test Method |
|------------------------|----------|----------|-----------|---------------|-------------|
| | | Vds3.85 | Vds 3.85a | | |
| Thickness | mm | 0.10 | 0.10 | 0.015 | IEC 60626-2 |
| Individual Thickness | mm | 0.10 | 0.10 | 0.025 | IEC 60626-2 |
| Total Weight | g/sqmtr | 85 | 85 | 10 | IEC 60626-2 |
| Polyester Glass Fabric | g/sqmtr | 34 | 34 | 3 | IEC 60626-2 |
| Polyester Film | g/sqmtr | 28 | 28 | 5 | IEC 60626-2 |
| Resin Content | g/sqmtr | 23 | 23 | 1 | IEC 60371-2 |
| Tensile Strength | N/cm | ≥60 | ≥60 | -- | IEC 60394-2 |
| Elongation in MD | % | ≥15 | ≥15 | -- | IEC 60394-2 |
| Shrinkage in MD | | | | | |
| At 70°C for 2 Hours | % | Max 1.5 | Max 1.5 | -- | IS 5351 |
| At 125°C for 2 Hours | % | ≥8 | ≥8 | -- | IS 5351 |
| Breakdown Voltage | Kv | ≥4 | ≥4 | -- | IEC 60626-2 |
| Thermal Class | °C | 155 (F) | 155 (F) | | IEC 60085 |
| Zinc Napthanate | mg/sqmtr | - | 350 | 10 | IEC 60626-2 |
| Colour | | Pink Red | | Pink Red | |

Processing Advise

VDS 3.85 and 3.85a shall be applied 50% overlapped on the coil and 1/3 in the corners of the overhang by hand or taping machine to avoid formation of cracks.

VDS 3.85 will shrink at 120°C .

The polyester film should face outside when applied.

The curing temperature depends upon the VPI resin in use.

Storage

Vidseal VDS 3.85 can be stored for unlimited period in normal conditions.

Availability

Vidseal VDS 3.85 tapes can be delivered in widths 15mm on.

Varities of plastic core available for manual and mechanical processing.

Health And Safety

Vidseal is non toxic. All hygiene and safety standards should be followed while using.

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