

Product data sheet

3E1151

Non conductive nonwoven waterblocking tape

Rev. date : 03-2007

Issue date : 04-1998

Description

- Water swellable powder laminated between 2 nonwoven layers.
- Swelling both sides.
- Excellent swelling and blocking performance.
- Good bedding performance.
- High temperature resistance.

Technical Data

| Properties (23 °C, 50% RH) | Value (nominal) | Unit | International standard (Lantor test method) |
|---------------------------------------|---|------------------|---|
| Mass per unit area | 95 | g/m ² | ISO 9073-1 |
| Thickness | 0.35 | mm | ISO 9073-2 |
| Tensile strength | 45 | N/cm | ISO 9073-3 |
| Elongation | 14 | % | ISO 9073-3 |
| Specific length resistance | - | Ωcm | DIN 54345 Part 5 |
| Volume resistivity | - | kΩcm | DIN 54345 Part 1 |
| Swelling speed (1 st min.) | 9.5 | mm/min | HD 605 S1/A1 (KE100) |
| Swelling height (≤ 3 min.) | 12 | mm | HD 605 S1/A1 (KE100) |
| Service temperature | ≤ 100 | °C | IEC 60216 (TIS 045) |
| Processing temperature | ≤ 225 | °C | (Technical Information Sheet 045) |
| Moisture content (ex work) | 5 | % | 110°C IR drying (TIS 045) |
| Composition | Polyester Polyacrylate Water swellable powder | | |

Application

- Where bedding, separation and waterblocking of large size gaps is required e.g.
- Over the insulation screen combined with a semi conductive tape.
- Under and over a metal tape or wire screen or armour.
- Over the cable core, under the jacket.
- Under a folded and sealed aluminium sheath

Make up

| Standard * | | Pads | | | | | Spools |
|----------------|----|---------------------|----------------|----------------|----------------|--------------|-----------------------|
| Slit width | mm | 15 | 16 ÷ 20 | 21 ÷ 30 | 31 ÷ 50 | ≥ 51 | 12 ÷ 50 |
| OD pad / spool | mm | ≤ 300 | ≤ 400 | ≤ 500 | ≤ 600 | ≤ 800 | ≤ 500 |
| ID core | mm | 77, 102, 153 | | | | | 77, 153 |
| Core width | mm | slit width | | | | | ≤ 500 |
| Wound width | mm | | | | | | Core width -20 |

*) Other available dimensions on request

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