

Product data sheet

3C4201

Semi conductive nonwoven tape

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Description

- Nonwoven fabric carbon impregnated.
- Calendered, thin.
- Good electrical properties
- High temperature resistance.

Technical Data

| Properties (23 °C, 50%RH) | Value (nominal) | Unit | International standard (Lantor test method) |
|---------------------------------------|--|------------------|---|
| Mass per unit area | 60 | g/m ² | ISO 9073-1 |
| Thickness | 0.14 | mm | ISO 9073-2 |
| Tensile strength | 35 | N/cm | ISO 9073-3 |
| Elongation | 13 | % | ISO 9073-3 |
| Surface resistance | 1000 | Ω/□ | IEC 60167 |
| Volume resistivity | 20 | kΩcm | DIN 54345 Part I |
| Swelling speed (1 st min.) | - | mm/min | HD 605 S1/A1 (KE100) |
| Swelling height (≤ 3 min.) | - | mm | HD 605 S1/A1 (KE100) |
| Service temperature | ≤ 140 | °C | IEC 60216 (TIS 045) |
| Processing temperature | ≤ 225 | °C | (Technical Information Sheet 045) |
| Moisture content (ex work) | 1 | % | 110°C IR drying (TIS 045) |
| Composition | Polyester Polyacrylate Carbon impregnation | | |

Application

- Where semi conductive bedding, binding or separation is required e.g.
- Over an insulation screen.
- Under and over a metal tape or wire screen or armour.
- Screening and field control in electro technical applications.
- Anti static applications.

Make up

| Standard * | | Pads | | | | Spools |
|----------------|----|---------------------|----------------|----------------|--------------|-----------------------|
| Slit width | mm | 15 | 16 ÷ 20 | 21 ÷ 30 | ≥ 31 | 12 ÷ 50 |
| OD pad / spool | mm | ≤ 300 | ≤ 400 | ≤ 500 | ≤ 600 | ≤ 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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