

## Cable Products

### Semi-conductive nonwoven waterblocking tape

#### DATA SHEET

**3C1141**

| Properties (23°C, 50% RH)         | Nominal value  | Unit             | Test methods = LANTOR® method     |
|-----------------------------------|--|------------------|-----------------------------------|
| Mass per unit area                | 110  | g/m <sup>2</sup> | ISO 9073-1 = KE030                |
| Thickness                         | 0.32   | mm               | ISO 9073-2 = KE050                |
| Tensile strength                  | 50   | N/cm             | ISO 9073-3 = KE060                |
| Elongation                        | 12   | %                | ISO 9073-3 = KE060                |
| Surface resistance                |  | Ω/[]             | IEC 167 = KE200                   |
| Volume resistivity                | 0.1  | MΩ.cm            | DIN 54345, Part 1 = KE276         |
| Moisture content (ex works)       | 5  | %                | 110°C (halogen drying) = KE186    |
| Swelling speed (first min.)       | 7.5  | mm/min.          | Eur. HD 605 S1/A1 = KE100         |
| Swelling height (final in 3 min.) | 9  | mm               | Eur. HD 605 S1/A1 = KE100         |
| Max. service temperature          | 100  | °C               | IEC 216 = Info Sheet 45, Para. 11 |
| Max. processing temperature       | 225  | °C               | Info Sheet 45, Para. 12           |
| Composition                       | Polyester<br>Polyacrylate<br>Waterswellable powder / Carbon impregnation |                  |                                   |

Used in power cables, in the screen area:

- . under the open metal screen (wire, tape)
- . over the open metal screen (wire, tape), if a separate radial water barrier is present
- . under the closed metal screen, which acts also as radial water barrier, smooth, extruded or folded, welded or sealed

This information is presented in good faith but is not warranted as to the accuracy of the results.

Also, freedom from patent infringement is not inferred.

This information is offered solely for your investigation, verification and consideration.