

Cable Products

Semi-conductive nonwoven waterblocking tape

DATA SHEET

3C1150

Properties (23°C, 50% RH)	Nominal value	Unit	Test methods = LANTOR® method
Mass per unit area	170	g/m ²	ISO 9073-1 = KE030
Thickness	0.55	mm	ISO 9073-2 = KE050
Tensile strength	45	N/cm	ISO 9073-3 = KE060
Elongation	14	%	ISO 9073-3 = KE060
Surface resistance	825	Ω/[]	IEC 167 = KE200
Volume resistivity	0.1	MΩ.cm	DIN 54345, Part 1 = KE276
Moisture content (ex works)	6	%	110°C (halogen drying) = KE186
Swelling speed (first min.)	3.5	mm/min.	Eur. HD 605 S1/A1 = KE100
Swelling height (final in 4 min.)	16	mm	Eur. HD 605 S1/A1 = KE100
Max. service temperature	90	°C	IEC 216 = Info Sheet 45, Para. 11
Max. processing temperature	225	°C	Info Sheet 45, Para. 12
Composition	Polyester Polyacrylate Waterswellable powder / Carbon impregnation / Thin covering layer		

Used in power cables, in the screen area:

- . under the open metal screen (wire, tape), if the metal screen consists of larger diameter copper wire
- . under a (corrugated) radial water barrier

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.