

Cable Products

Non-conductive nonwoven waterblocking tape

DATA SHEET

3E1154

Properties (23°C, 50% RH)	Nominal value	Unit	Test methods = LANTOR [®] method
Mass per unit area	108	g/m ²	ISO 9073-1 = KE030
Thickness	0.35	mm	ISO 9073-2 = KE050
Tensile strength	65	N/cm	ISO 9073-3 = KE060
Elongation	14	%	ISO 9073-3 = KE060
Surface resistance	-	$\Omega/[]$	IEC 167 = KE200
Volume resistivity	-	M Ω .cm	DIN 54345, Part 1 = KE276
Moisture content (ex works)	5	%	110°C (halogen drying) = KE186
Swelling speed (first min.)	9.5	mm/min.	Eur. HD 605 S1/A1 = KE100
Swelling height (final in 2 min.)	12	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 Polyacrylate Waterswellable powder		

Used in power cables, in the screen area:

- . over the open metal screen, if the metal screen consists of larger diameter metal wire
- . under the radial water barrier, if no electrical contact is required with the metal screen
- . under and over the armouring (wire, tape)
- . with large conductors
- . manufactured in long lengths

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.