Cable Products

Semi-conductive nonwoven waterblocking tape

DATA SHEET 3C1131

Properties (23°C, 50% RH)	Nominal value	Unit	Test methods = LANTOR® method
Mass per unit area	100	g/m²	ISO 9073-1 = KE030
Thickness	0.30	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)	4	%	110°C (halogen drying) = KE186
Swelling speed (first min.)	5	mm/min.	Eur. HD 605 S1/A1 = KE100
Swelling height	6	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 / 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

Used in power cables for conductor waterblocking.