

Cable Products

Nonwoven waterblocking tape

DATA SHEET

3E5440

Properties (23°C, 50% RH)	Nominal value	Unit	Test methods = LANTOR® method
Mass per unit area	90	g/m ²	ISO 9073-1 = KE030
Thickness	0.33	mm	ISO 9073-2 = KE050
Tensile strength	40	N/cm	ISO 9073-3 = KE060
Elongation	14	%	ISO 9073-3 = KE060
Surface resistance	-	Ω/[]	IEC 167 = KE200
Volume resistivity	-	MΩ.cm	DIN 54345, Part 1 = KE276
Moisture content (ex works)	4	%	110°C (halogen drying) = KE186
Swelling speed (first min.)	20	mm/min.	Eur. HD 605 S1/A1 = KE100
Swelling height (final in 2 min.)	21	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		

Used in communications cables, as alternative to jelly (filling and/or flooding):

- * copper cables:
 - . in dry core designs
 - . over the dry or jelly-filled core
 - . under and over the armouring (wire, tape)
- * fibre optic cables:
 - . in dry core designs
 - . over the slotted core
 - . over the central tube
 - . under and over layer(s) of loose tubes
 - . under and/or over and/or around strength members
 - . under and over the armouring (wire, tape)

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.