

Product data sheet

3E5440

Non conductive nonwoven waterblocking tape

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Description

- Water swellable powder laminated between 2 nonwoven layers.
- Thin and swelling on both sides.
- Fast swelling and excellent blocking performance.
- Good temperature resistance.

Technical Data

Properties (23 °C, 50%RH)	Value (nominal)	Unit	International standard (Lantor test method)
Mass per unit area	90	g/m ²	ISO 9073-1
Thickness	0.33	mm	ISO 9073-2
Tensile strength	40	N/cm	ISO 9073-3
Elongation	14	%	ISO 9073-3
Specific length resistance	-	Ωcm	DIN 54345 Part 5
Volume resistivity	-	kΩcm	DIN 54345 Part 1
Swelling speed (1 st min.)	21	mm/min	HD 605 S1/A1 (KE100)
Swelling height (≤ 3 min.)	22	mm	HD 605 S1/A1 (KE100)
Service temperature	≤ 90	°C	IEC 60216 (TIS 045)
Processing temperature	≤ 225	°C	(Technical Information Sheet 45)
Moisture content (ex work)	4	%	110°C IR drying (TIS 045)
Composition	Polyester Polyacrylate Water swellable powder		

Application

- Where separation, bedding and fast waterblocking of extra large size gaps is required e.g.
- Over the insulation screen in combination with semi conductive tape.
- Under and over a metal tape or wire screen or armour.
- Over units of twisted pairs or quads of dry design cables
- Over and in the cable core of dry design cables.
- Under the jacket or a folded and sealed aluminium sheath or corrugated steel armour.

Make up

Standard *		Pads					Spools
Slit width	mm	15	16 ÷ 20	21 ÷ 30	31 ÷ 50	≥ 51	12 ÷ 50
OD pad / spool	mm	≤300	≤400	≤500	≤600	≤800	≤500
ID core	mm	77, 102, 153					77, 153
Core width	mm	slit width					≤500
Wound width	mm						Core width -20

*) Other available dimensions on request

For more information contact:

Lantor BV
P.O. Box 45, Verlaat 22
3900 AA VEENENDAAL
The Netherlands

Tel.: +31-318-537111
Fax: +31-318-537399
Lantorbv@lantor.nl
www.lantor.nl

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