

Product data sheet

3E5410

Non conductive nonwoven waterblocking tape

Rev. date : 03-2007

Issue date : 04-1998

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	60	g/m ²	ISO 9073-1
Thickness	0.25	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.)	7	mm/min	HD 605 S1/A1 (KE100)
Swelling height (≤ 3 min.)	8	mm	HD 605 S1/A1 (KE100)
Service temperature	≤ 90	°C	IEC 60216 (TIS 045)
Processing temperature	≤ 225	°C	(Technical Information Sheet 045)
Moisture content (ex work)	3	%	110°C IR drying (TIS 045)
Composition	Polyester Polyacrylate Water swellable powder		

Application

- Where separation, bedding and fast waterblocking of small and medium sized gaps is required e.g.
- Inside stranded conductors.
- Over the insulation screen in combination with semi conducting 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 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

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