

Product data sheet

3E1160

Non conductive nonwoven waterblocking tape

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Description

- Water swellable powder applied on a nonwoven substrate.
- Covered with a thin non conductive nonwoven layer
- Excellent swelling and blocking performance. Preferential swelling direction is indicated on the product label
- Excellent bedding performance
- Good temperature resistance

Technical Data

Properties (23 °C, 50%RH)	Value (nominal)	Unit	International standard (Lantor test method)
Mass per unit area	173	g/m ²	ISO 9073-1
Thickness	0.60	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 (3 min.)	10.5	mm	HD 605 SI/AI (KE100)
Swelling height	20	mm	HD 605 SI/AI (KE100)
Service temperature	≤ 90	°C	IEC 60216 (TIS 045)
Processing temperature	≤ 225	°C	(Technical Information Sheet 045)
Moisture content (ex work)	6	%	110°C IR drying (TIS 045)
Composition	Polyester Polyacrylate Carbon impregnation Water swellable powder. Thin covering layer.		

Application

- Heavy duty applications where bedding, separation and waterblocking of large or extra large gaps is required e.g.
- Over a insulation screen in combination with a semi conductive tape.
- Under and over a metal tape or wire screen. Swelling side facing the screen wires.
- Over the cable core.
- Under a jacket or folded and sealed aluminium sheet
- Under and over the armour

Make up

Standard *		Pads			Spools
Slit width	mm	21 ÷ 30	31 ÷ 50	≥ 51	12 ÷ 50
OD pad / spool	mm	≤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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