

Product data sheet

3CI150

Semi conductive nonwoven waterblocking tape

Rev. date : 03-2007
Issue date : 12-1992

Description

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

Technical Data

Properties (23 °C, 50% RH)	Value (nominal)	Unit	International standard (Lantor test method)
Mass per unit area	170	g/m ²	ISO 9073-1
Thickness	0.55	mm	ISO 9073-2
Tensile strength	45	N/cm	ISO 9073-3
Elongation	14	%	ISO 9073-3
Specific length resistance	100	Ωcm	DIN 54345 Part 5
Volume resistivity	100	kΩcm	DIN 54345 Part 1
Swelling speed (1 st min.)	3.5	mm/min	HD 605 SI/AI (KE100)
Swelling height	16	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

- Where bedding and waterblocking of large size gaps is required e.g.
- Over an insulation screen.
- Under and over a metal tape or wire screen. Swelling side facing the screen wires.
- Under a folded and sealed aluminium sheath.
- Under an extruded lead sheath or welded or extruded aluminium sheath. Substrate side facing the metal sheath.

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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