

# Product data sheet

# 3C1131

Semi conductive nonwoven waterblocking tape

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## Description

- Water swellable powder laminated between 2 semi conductive nonwoven layers.
- Swelling performance both side equal.
- Excellent swelling and blocking performance.
- Good bedding performance
- High temperature resistance.

## Technical Data

Properties (23 °C, 50% RH)	Value (nominal)	Unit	International standard (Lantor test method)
Mass per unit area	100	g/m <sup>2</sup>	ISO 9073-1
Thickness	0.30	mm	ISO 9073-2
Tensile strength	50	N/cm	ISO 9073-3
Elongation	12	%	ISO 9073-3
Specific length resistance	100	Ωcm	DIN 54345 Part 5
Volume resistivity	100	kΩcm	DIN 54345 Part 1
Swelling speed (1 <sup>st</sup> min.)	5	mm/min	HD 605 SI/A1 (KE100)
Swelling height (≤ 3 min.)	6	mm	HD 605 SI/A1 (KE100)
Service temperature	≤ 100	°C	IEC 60216 (TIS 045)
Processing temperature	≤ 225	°C	(Technical Information Sheet 045)
Moisture content (ex work)	4	%	110°C IR drying (TIS 045)
Composition	Polyester Polyacrylate Carbon impregnation Water swellable powder		

## Application

- Where bedding and waterblocking of small or medium size gaps is required e.g.
- Inside stranded conductors.
- Over an insulation screen.
- Under and over a metal tape or wire screen.
- Under a folded and sealed aluminium sheath.
- Under an extruded lead sheath or welded or extruded aluminium 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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