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Cable Products

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Product data sheet 3C1174

Semi conductive nonwoven heavy duty sub sea waterblocking tape

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Description

- Water swellable powder laminated between semi conductive nonwoven layers.
- Preferential swelling direction indicated on the product label
- Excellent swelling and blocking performance.
- Excellent bedding performance
- Excellent temperature resistance.

Technical Data

Properties (23 °C, 50% RH)	**Value** (nominal)	**Unit**	**International standard** (Lantor test method)
Mass per unit area	**235**	g/m²	ISO 9073-1
Thickness	**0.50**	mm	ISO 9073-2
Tensile strength	**90**	N/cm	ISO 9073-3
Elongation	**12**	%	ISO 9073-3
Specific length resistance	**100**	Ωcm	DIN 54345 Part 5
Volume resistivity	**500**	kΩcm	DIN 54345 Part 1
Swelling speed (1st min.)	**13**	mm/min	HD 605 S1/A1 (KE100)
Swelling height	**22**	mm	HD 605 S1/A1 (KE100)
Swelling speed (1st min. aqua marin)	**1.6**	mm/min	HD 605 S1/A1 (KE120)
Swelling height (aqua marin)	**2.4**	mm	HD 605 S1/A1 (KE120)
Service temperature	**≤ 110**	°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		

Application

- Heavy duty and sub sea applications where bedding and waterblocking of large or extra large gaps is required e.g.
- 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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