

Product data sheet

3E1101

Non conductive nonwoven waterblocking tape

Rev. date : 03-2007

Issue date : 04-1998

Description

- Water swellable powder laminated between 2 nonwoven layers.
- Thin and welling on both sides.
- Excellent swelling and blocking performance.
- Easy penetration in small gaps.
- Excellent temperature resistance.

Technical Data

Properties (23 °C, 50% RH)	Value (nominal)	Unit	International standard (Lantor test method)
Mass per unit area	70	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 I
Swelling speed (1 st min.)	4	mm/min	HD 605 S1/A1 (KE100)
Swelling height (≤ 3 min.)	5	mm	HD 605 S1/A1 (KE100)
Service temperature	≤ 110	°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 Water swellable powder		

Application

- Where bedding, separation and waterblocking of small or medium size gaps is required e.g.
- Inside stranded conductors.
- Over units of twisted pairs or quads of dry design cables.
- Over the core of multi core cables, under the jacket.
- Under a folded and sealed 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

For more information contact:

Lantor BV
P.O. Box 45, Verlaat 22
3900 AA VEENENDAAL
The Netherlands

Tel.: +31-318-537111
Fax: +31-318-537399
lantorbv@lantor.nl
www.lantor.nl

Disclaimer:

The information contained in this document has been compiled in good faith by Lantor B.V., nevertheless no representation or warranty is given as to the accuracy or completeness of the (technical) information provided herein. Lantor B.V. can not be held liable for any damages arising from any (printing) errors or omissions in this information. Lantor B.V. reserves the right to make changes with respect to the information provided at any time without further notice.