

# Product data sheet

# 3E1152

Non conductive reinforced waterblocking tape

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## Description

- Water swellable poder laminated between 2 nonwoven layers and reinforcement
- Preferential swelling direction indicated on the product label
- High flexibility.
- High tear resistance and tensile strength.
- High temperature resistance.

## Technical Data

Properties (23 °C, 50% RH)	Value (nominal)	Unit	International standard (Lantor test method)
Mass per unit area	<b>95</b>	g/m <sup>2</sup>	ISO 9073-1
Thickness	<b>0.38</b>	mm	ISO 9073-2
Tensile strength	<b>100</b>	N/cm	ISO 9073-3
Elongation	<b>14</b>	%	ISO 9073-3
Specific length resistance	-	Ωcm	DIN 54345 Part 5
Volume resistivity	-	kΩcm	DIN 54345 Part 1
Swelling speed (1 <sup>st</sup> min.)	<b>9.5</b>	mm/min	HD 605 SI/AI (KE100)
Swelling height (≤ 3 min.)	<b>12</b>	mm	HD 605 SI/AI (KE100)
Service temperature	<b>100</b>	°C	IEC 60216 (TIS 045)
Processing temperature	<b>225</b>	°C	(Technical Information Sheet 045)
Moisture content (ex work)	<b>5</b>	%	110°C IR drying (TIS 045)
Composition	Polyester and Polyester scrim Polyacrylate Water swellable powder		
Ref. X36.357			

## Application

- Where bedding, binding and waterblocking of large size gaps is required e.g.
- Over the assembly of cable cores.
- Over a metal tape or wire screen where high tensile strength and tear strength is required.
- Under a jacket or folded and sealed aluminium sheath.
- Under a extruded lead sheath or welded or extruded aluminium sheath.

## Make up

Standard *		Pads					Spools
Slit width	mm	<b>15</b>	<b>16 ÷ 20</b>	<b>21 ÷ 30</b>	<b>31 ÷ 50</b>	<b>≥ 51</b>	<b>12 ÷ 50</b>
OD pad / spool	mm	<b>≤300</b>	<b>≤400</b>	<b>≤500</b>	<b>≤600</b>	<b>≤800</b>	<b>≤500</b>
ID core	mm	<b>77, 102, 153</b>					<b>77, 153</b>
Core width	mm	<b>slit width</b>					<b>≤500</b>
Wound width	mm						<b>Core width -20</b>

\*) Other available dimensions on request

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