

**Non woven filtration material**

Rev. date : 07-2014

**Description**

- Water swellable powder laminated between 2 non woven layers.
- Excellent swelling and blocking performance.
- Excellent temperature resistance.
- Suitable for special filtration purposes

**Technical Data**

<b>Properties</b> (23 °C, 50% RH)	<b>Value</b> (nominal)	<b>Unit</b>	<b>International standard</b> (Lantor test method)
Mass per unit area	<b>190</b>	g/m <sup>2</sup>	ISO 9073-1
Thickness	<b>0.50</b>	mm	ISO 9073-2
Tensile strength	<b>60</b>	N/cm	ISO 9073-3
Elongation	<b>14</b>	%	ISO 9073-3
Surface resistance	-	Ω/□	IEC 60167
Specific length resistance	-	kΩcm	DIN 54345 Part 5
Volume resistivity	-	kΩcm	DIN 54345 Part 1
Swelling speed (1 <sup>st</sup> min. demi water)	<b>16</b>	mm/min	HD 605 S1/A1 (KE100)
Swelling speed (1 <sup>st</sup> min. aqua marin)	<b>2.2</b>	mm/min	HD 605 S1/A1 (KE100)
Swelling height (≤ 3 min. demi water)	<b>25</b>	mm	HD 605 S1/A1 (KE100)
Swelling height (≤ 3 min. aqua marin)	<b>3.0</b>	mm	HD 605 S1/A1 (KE100)
Service temperature	<b>≤ 110</b>	°C	IEC 60216 (TIS 045.11)
Processing temperature	<b>≤ 225</b>	°C	(Technical Information Sheet 045.12)
Moisture content (ex work)	<b>3</b>	%	110°C IR drying (TIS 045.6)
Composition	Polyester Polyacrylate Water swellable powder		

**Application :****Filtration**

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