



# TemaTEX W

Functions: Filtration, Separation & Reinforcement

**STRUCTURE:** TeMa-TEX W is a Woven, Slit Film, Polypropylene (PP) Geotextile. It can be used in filtration, separation and reinforcement applications due to its high tensile strength at low elongations.

<b>PHYSICAL PROPERTIES</b>			<b>120W</b>	<b>215W</b>	<b>280W</b>	
Raw Material	Polypropylene					
Colour	MD/CMD		White/Black	White/Green	White/Blue	
Mass	Nominal		<b>120</b>	<b>215</b>	<b>280</b>	SANS 10221
Thickness	Under 2kPa		<b>0.7</b>	<b>1.0</b>	<b>1.0</b>	SANS 10221
<b>PERFORMANCE</b>						
Tensile Strength (Ultimate)	MD	kN/m	<b>28</b>	<b>47</b>	<b>50</b>	SANS 10221
	Elongation	%	<b>16</b>	<b>18</b>	<b>21</b>	
	CMD	kN/m	<b>19</b>	<b>34</b>	<b>57</b>	
Tensile Strength (@ 5% Strain)	Elongation	%	<b>16</b>	<b>12</b>	<b>12</b>	SANS 10221
	MD	kN/m	<b>9</b>	<b>12</b>	<b>10</b>	
Penetration Load	CMD	kN/m	<b>8</b>	<b>18</b>	<b>27</b>	SANS 10221
	Load	kN/m	<b>2.6</b>	<b>5.0</b>	<b>6.2</b>	
Trapezoidal Tear Strength	Elongation	%	<b>17</b>	<b>17</b>	<b>18</b>	SANS 10221
	MD	N	<b>350</b>	<b>550</b>	<b>580</b>	
Grab Strength	CMD	N	<b>250</b>	<b>420</b>	<b>660</b>	ASTM D4533
	MD	N	<b>630</b>	<b>1270</b>	<b>1350</b>	
Puncture Resistance	CMD	N	<b>425</b>	<b>800</b>	<b>1480</b>	ASTM D4632
	Diameter	mm	<b>11</b>	<b>8</b>	<b>7</b>	
Pore Size	O <sub>90%</sub>	micron	<b>215</b>	<b>280</b>	<b>245</b>	EN 918 SANS 12956
<b>HYDRAULIC PERFORMANCE</b>						
Throughflow	@ 100mm	l/s/m <sup>2</sup>	<b>40</b>	<b>40</b>	<b>52</b>	SANS 10221
Permeability	X 10 <sup>-4</sup>	m/s	<b>2.8</b>	<b>4.0</b>	<b>5.2</b>	SANS 10221
<b>STANDARD DIMENSIONS*</b>						
Roll Width	Max.	m		<b>5</b>		
Roll Length	Max.	m		<b>200</b>		

\* Narrower widths and shorter rolls are available on request



The information given in this datasheet is to the best of our knowledge true and correct. TeMa SA reserves the right to change its product specifications at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for the design and procurement purposes are current and consistent with the products used in each instance.

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