



TemaTEX NW

Functions: Filtration, Drainage, Separation, Protection & Reinforcement

STRUCTURE: TeMa-TEX W is a Polyester (rPET), continuous filament, needle-punched nonwoven Geotextile.

			NW1	NW2	NW3	NW4	NW5	NW6	NW7	NW8	NW10	
MECHANICAL PROPERTIES												
Thickness	Under 2 kPa	mm	1.2	1.4	1.6	1.8	2.6	3.1	4.4	5.2	6.4	SANS 9863-1
Tensile Strength (Ultimate)	Weaker Direction	kN/m	7.8	9.0	11.5	14.0	19.5	26.0	40.0	50.0	56.0	SANS 1525 / EN ISO 10319
	Elongation	%	50 - 70									
Static Puncture Strength	CBR	kN	1.5	1.9	2.2	2.7	3.6	4.8	7.1	9.5	11.7	SANS 12236
Puncture Resistance	Diameters of hole (Max)	mm	30	27	25	19	16	13	8	6	3	SANS 13433
Trapezoidal Tear Strength	Weaker Direction	N	240	320	375	440	600	800	1200	1600	2100	ASTM D4533
Grab Strength	Weaker Direction	N	500	600	730	900	1250	1550	2500	3260	4700	ASTM D4632
	Elongation	%	50 - 80									
UV Stability	70% strength retained after 1000 hours										ASTM D4355	
HYDRAULIC PROPERTIES												
Normal Throughflow	@50mm head	l/s/m ²	200	150	125	100	80	70	45	30	20	SANS 11058
Flow Velocity	Calculation based on throughflow & thickness	m/s	0.2	0.15	0.13	0.10	0.08	0.07	0.05	0.03	0.020	
Permeability		x10 ⁻³ m/s	4.8	4.2	4.0	3.6	4.2	4.3	4.0	3.1	2.6	
In-Plane Throughflow	20 kPa Load, i=1.0	l/hr/m	20	30	35	40	50	58	80	90	110	ISO 12958
Pore Size	O ₉₅ W	micron	200	170	155	138	132	130	114	<75	<75	SANS 12956

ROLL DIMENSIONS

Width	Std	m	1.32, 1.76, 2.65, 3.53 & 5.3					2.65 & 5.3					
Length	Std	m	150					75	50				

Notes:

- Above values are typical (Mean) and are carried out during the production process by accredited laboratory.



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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