



SYNTHESIS GUIDE

	PROPERTIES			Product certification using protocol BNQ 7009-210/ 2017	NBDTI product specification	NSTIR product specification	PHYSICAL		MECHANICAL				HYDRAULIC			DURABILITY	DIMENSIONS		CONSTRUCTION			
							Thickness	Mass per unit area	Tensile strength	Elongation at break	Tear strength	CBR Puncture resistance	Flow rate	Permittivity	Apparent opening size (AOS) (°)	Filtration opening size (FOS)		UV resistance (500 hours)	Standard width	Standard length	Fiber type	Construction type
	TEST METHOD						ASTM D5199	ASTM D5261	ASTM D4632 (°)		ASTM D4533 (°)	ASTM D6241	ASTM D4491	ASTM D4491	ASTM D4751	CAN 148.1No.10		ASTM D4355				
	UNIT						mm	g/m ²	N	%	N	N	l/min/m ²	s-1	µm	µm	%	m				
VALUE														Min.	Max.							
TX SERIES	TX-70	no	N1	Light weight	≥ 0.8	n/a	≥ 400	≥ 50	≥ 180	≥ 1320	≥ 6095	≥ 2.05	300	75	150	≥ 70	3.81	150	POLYPROPYLENE	NONWOVEN NEEDED		
	TX-80	no			≥ 1.0	n/a	≥ 470	≥ 50	≥ 222	≥ 1510	n/a	≥ 2.00	n/a	70	130	≥ 70	3.5	150				
	TX-90	no	N2		≥ 1.0	n/a	≥ 600	≥ 50	≥ 250	≥ 1700	≥ 0.23	≥ 4600	212	60	180	≥ 70	3.81	150				
	TX-110	no			≥ 2.2	n/a	≥ 712	≥ 50	≥ 325	≥ 1825	≥ 4480	≥ 1.50	212	70	150	≥ 70	3.81	100				
	TX-200	no			≥ 2.3	n/a	≥ 911	≥ 50	≥ 360	≥ 2336	≥ 4000	≥ 1.40	180	65	140	≥ 70	3.81	100				
	TX-300	no		Heavy weight	≥ 2.5	≥ 250	≥ 1100	≥ 50	≥ 385	≥ 3310	n/a	≥ 0.90	n/a	45	150	≥ 70	3.81	100				
	TX-400	no	N4		≥ 2.8	n/a	≥ 1200	≥ 50	≥ 530	≥ 3450	n/a	≥ 1.00	n/a	50	90	≥ 70	3.81	100				
TX-1600	no			≥ 5.8	n/a	≥ 2500	≥ 50	≥ 1050	≥ 7000	n/a	≥ 0.27	n/a	40	70	≥ 70	3.81	50					
WOVEN	2002W	no			n/a	n/a	890	15	330	3114	204	0.05	425	n/a		70	3.81	131	WOVEN			
	2004W	no			n/a	n/a	1113	12	400	3338	163	0.05	425	n/a		70	3.81	110				
	2006W	no			n/a	n/a	1402	15	503	4505	163	0.05	425	n/a		70	3.81	110				

n/a : not available

Note 1: Maximum average roll value. Note 2: For TX-80, TX-400 and TX-1600 the tensile strength and elongation is with CAN 148.1 No 7.3. Note 3: For TX-80, TX-400 and TX-1600 the tear strength is with CAN 4.2 No 12.2. The enclosed information is provided by Soleno Textile Inc. at no cost and without liability on the part of the company. The individual using this information assumes full responsibility for its application, and undertakes to contact Soleno Textile Inc. to ensure that this technical sheet is the most recent version available. The values are calculate by the MARV system as specicy by ASTM D-4439. Roll sizes can vary by 0.5% from the standard. Soleno Textile Inc. offers no guarantee as to the use, installation and/or suitability of the geotextiles described in this document. Since conditions surrounding the use and handling of our products can vary and are beyond the control of Soleno Textile Inc., the latter can, in no way, be held responsible for the performance of the products, nor consequences arising from their improper installation or use. Soleno Textile Inc. must be informed of any product defect or deficiency noted prior to installation. The liability of Soleno Textile Inc. will be limited to the replacement of the deficient or defective product to the exclusion of any legal or contractuel warranty.

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BNQ PRODUCTS	PROPERTIES				PHYSICAL		MECHANICAL						HYDRAULIC				DURA-BILITY	DIMEN-SIONS		CONSTRUC-TION							
	Product certification using protocol BNQ 7009-210/ 2017	BNQ grade	NBDTI product specification	NSTIR product specification	Thickness	Mass per unit area	Tensile strength in % of CVMS			Elongation at break	Wide width tensile strength, at 5 % elongation			Tear strength	CBR Puncture resistance	Permeability*	Permittivity	Filtration opening size (FOS)		Transmissivity	UV resistance (500 hours)	Standard width*	Standard length*	Fiber type	Construction type		
					ASTM D5199	ASTM D5261	ASTM D4632			ASTM D4595			ASTM D4533	ASTM D6241	ASTM D4491	CAN/CGSB 148.1 - No.10-94		ASTM D6574	ASTM D4355								
					mm	g/m ²	N			%	kN/m			N	N	cm/sec	s-1	µm		m ² /s	%	m					
					VALUE		< 5% CVMS	< 10% CVMS	< 15% CVMS		< 5% CVMS	< 10% CVMS	< 15% CVMS					Min.	Max.								
ROUTEX IV	yes	F1			≥ 0.8*	n/a	≥ 400	≥ 420	≥ 440	≥ 15	n/a	n/a	n/a	≥ 180	≥ 1200	≥ 0.15	≥ 2.00	100	250	n/d	≥ 70	3.81	150	POLYPROPYLENE	NONWOVEN NEEDED		
TX-170	yes	S2-P1	N3	Medium weight	≥ 1.2*	n/a	≥ 810	≥ 850	≥ 892	≥ 50	n/a	n/a	n/a	≥ 333	≥ 2120	≥ 0.19	≥ 1.10	45	150	n/d	≥ 70	3.81	100				
TX-800	yes	P3			≥ 3.5	≥ 410	≥ 1470	≥ 1545	≥ 1615	≥ 50	n/a	n/a	n/a	≥ 515	≥ 4000	≥ 0.25	≥ 0.70	45	150	n/d	≥ 70	3.81	100				
ROUTEX II	yes	R1			≥ 0.8*	n/d	≥ 13000	≥ 13650	≥ 14300	< 30	≥ 5.0	≥ 5.78	≥ 6.05	n/d	≥ 2300	≥ 0.01	≥ 0.05	45	150	≥ 10 ⁻⁷	≥ 70	3.5	100				
TX-R	yes	R2			≥ 1.7*	n/a	≥ 13000	≥ 13650	≥ 14300	< 30	≥ 5.0	≥ 5.78	≥ 6.05	n/d	≥ 2300	≥ 0.01	≥ 0.05	45	70	≥ 10 ⁻⁷	≥ 70	3.5	100				

* : Characteristics does't go with the certification by BNQ. | n/a : not available

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