SOLENO
MASTERING WATER SUSTAINABLY

SYNTHESIS GUIDE (NBDTI AND NSTIR)

Properties	NBDTI Product Specifications	NSTIR Product Specifications	PHYSICAL		MECHANICAL				HYDRAULIC					DURABILITY	DIMENSIONS		CONSTRUCTION	
			Thickness	Mass Per Unit Area	Tensile Strenght	Elongation At Break	Tear Strenght	CBR Puncture Resistence	Flow Rate	Permittivity	Apparent Opening Size (AOS) (1)	Filtration Opening Size (FOS)		UV Resistance (500 h)	Standard Width	Standard Lenght	Fiber Type	Construction Type
Test Method			ASTM D5199	ASTM D5261	ASTM D4632 (2)		ASTM D4533 (3)	ASTM D6241	ASTM D4491	ASTM D4491	ASTM D4751	CAN 148.1 No 10		ASTM D4355				
Unit			mm	g/m²	N	%	N	N	l/min/m2	s⁻¹	µm	µm		%	m	m		
Value												Min	Max					
TX-70	N1		≥ 0,8	N/A	≥ 445	≥ 50	≥ 180	≥ 1320	≥ 6095	≥ 2,05	300	75	150	≥ 70	3,81	110	POLYPROPYLENE	NONWOVEN
TX-80			≥ 1,0	N/A	≥ 470	≥ 50	≥ 222	≥ 1510	N/A	≥ 2,00	N/A	70	130	≥ 70	3,5	150		
TX-90	N2	Light weight	≥ 1,0	N/A	≥ 600	≥ 50	≥ 250	≥ 1700	≥ 4600	≥ 1,70	212	60	180	≥ 70	3,81	150		
TX-110			≥ 1,3	N/A	≥ 712	≥ 50	≥ 325	≥ 1825	≥ 4480	≥ 1,50	212	70	150	≥ 70	3,81	100		
TX-170	N3	Medium weight	≥ 1,2	N/A	≥ 810	≥ 50	≥ 333	≥ 2120	≥ 4000	≥ 1,40	212	45	150	≥ 70	3,81	100		
TX-200		Heavy weight	≥ 1,4	N/A	≥ 911	≥ 50	≥ 360	≥ 2380	≥ 4000	≥ 1,40	180	50	140	≥ 70	3,81	100		
TX-300			≥ 2,5	≥ 250	≥ 1100	≥ 50	≥ 385	≥ 3310	N/A	≥ 0,90	N/A	45	150	≥ 70	3,81	100		
TX-400	N4		≥ 2,8	N/A	≥ 1334	≥ 50	≥ 511	≥ 3780	≥ 3055	≥ 1,00	150	50	90	≥ 70	3,81	100		
TX-1600			≥ 5,8	N/A	≥ 2500	≥ 50	≥ 1050	≥ 8300	N/A	≥ 0,27	N/A	40	70	≥ 70	3,81	50		
2002W			N/A	N/A	890	15	330	3113	204	0,05	425	N/A		70	3,81	131		WOVEN
2004W			N/A	N/A	1113	15	400	3338	163	0,05	425	N/A		70	3,81	110		
2006W			N/A	N/A	1402	15	503	4005	244	0,08	425	N/A		70	3,81	110		

Note 1: Maximum average roll value Note 2: For TX-80 and TX-1600, the tensile strenght and elongation are with CAN 148.1 No 7.3 Note 3: For TX-80 and TX-1600, the tear strenght 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.

REV. 2026-08-11