DATA SHEET

TX-400

PRODUCT DESCRIPTION : Nonwoven needled geotextile resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids.
Polypropylene is stable within the pH range of 2-13.

FUNCTIONS : Separation, reinforcement and protection

PRODUCT SPECIFICATION : Meets Table 601-1 of the New Brunswick specification, N4

RAW MATERIAL : Polypropylene

TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
PHYSICAL	Thickness	ASTM D5199	2.8 mm	112 mils
	Mass per unit area	ASTM D5261	-	-
MECHANICAL	Tensile strength	ASTM D4632	1334 N	300 lb
	Elongation at break	ASTM D4632	≥ 50 %	
	Tear strength	ASTM D4533	511 N	115 lb
	Puncture strength (CBR)	ASTM D6241	3780 N	850 lb
HYDRAULIC	Flow rate	ASTM D4491	3055 l/min/m²	75 gpm/ft²
	Permittivity	ASTM D4491	1.0 s^{-1}	
	Apparent opening size (AOS) (1)	ASTM D4751	150 µm	100 US Sieve
	Filtration opening size (FOS)	CAN/CGSB-148,1 - No 10	50 - 90 µm	
PERFORMANCE AND DURABILITY	UV* resistance (500 hours)	ASTM D4355	70%	
DIMENSIONS	Standard width	-	3.81 m	12.5 ft
	Standard length	-	100 m	328 ft

NOTE 1 : Maximum test value
*UV: Ultraviolet.

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APPLICATIONS : Railway tracks
Basins
Retaining walls and embankments
Bank protection
Dams and dikes