

TFI 3000 Series are woven Geotextile manufactured from high tenacity, high molecular weight multifilament polyester yarn. The mechanical properties of TFI 3000 Series guarantee high tensile strength with excellent creep resistance to provide superior Long term design strength

PRODUCT PROPERTIES	TEST METHOD	UNIT	TFI-3120 HT
MATERIAL	100% High Tenacity PET Filament Yarn With Molecular Weight ≥ 25000 and CEG ≤ 30		
MECHANICAL PROPERTIES			
Ultimate Tensile Strength MD & CD	EN-ISO-10319	kN/m	≥ 120
Strain at Ultimate Tensile Strength MD & CD	EN-ISO-10319	%	10 ± 2
Tensile Strength @ 2% Strain MD & CD	EN-ISO-10319	kN/m	≥ 15
Tensile Strength @ 5% Strain MD & CD	EN-ISO-10319	kN/m	≥ 40
Static Puncture Resentence (CBR)	EN- ISO-12236	kN	≥ 11
Dynamic Perforation (Cone Drop)	EN-ISO-13443	mm	≤ 12
HYDRAULIC PROPERTIES			
Water flow normal to plane	EN- ISO 11058	$l/m^2/s$	≥ 10
Characterized opening size(O_{90})	EN- ISO 12956	mm	≤ 0.100
Product can be supplied at lower widths also as per customer requirement			
Roll Length		M	100
Roll Width		M	5.15
Stuffing Qty/40'HC		Sq Mtrs	52195
Stuffing Qty /40'HC		Tons	24.00
DURABILITY	Geotextile has to be covered within one day after installation		

¹ Minimum average roll value (Minimum refers to 95 % confidence limit.) MD – Machine Direction CD – Cross Direction.

 ISO 9001 BUREAU VERITAS Certification	 SKZ Certification Body C \in 1213 SKZ – Testing GmbH Friedrich-Bergius-Ring 22 97076 Würzburg / Germany	 GAI LAP Accreditation # 92-17	 NTPEP <small>AASHTO NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM</small>	 Certificate No.- TC-7397 NABL Accreditation ISO/IEC 17025	
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