

Polystrain – TFI-3100 HT

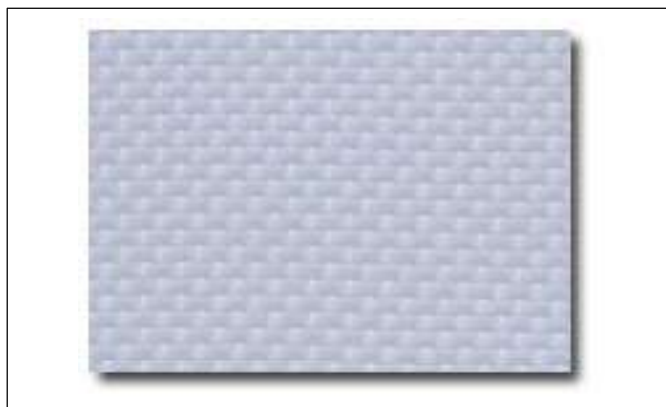
PRODUCT DATASHEET



The **Polystrain TFI-3000 HT series** are bi-directional high tenacity, woven multi-filament polyester geotextiles, used for separation and reinforcement. The mechanical properties guarantee high tensile strength, with excellent creep resistance to provide superior long-term design strength.

SPECIFICATIONS

Physical Properties:	Units		TFI-3100 HT	Test Method
Composition	Woven filament, high tenacity, polyester yarns			
Tensile Strength (Ultimate)	MD	kN/m	≥100	EN-ISO-10319
	CD	kN/m	≥100	EN-ISO-10319
Elongation (Ultimate)	MD	%	10 ±2	EN-ISO-10319
	CD	%	10 ±2	
Tensile Strength @ 2% Strain	MD	kN/m	≥17	EN-ISO-10319
	CD	kN/m	≥17	
Tensile Strength @ 5% Strain	MD	kN/m	≥43	EN-ISO-10319
	CD	kN/m	≥43	
Residual 100-year Creep Strength @ Break	MD & CD	kN/m	≥70	EN-ISO-13431
Static Puncture Resistance	(CBR)	kN	≥8	EN-ISO-12236
Dynamic Perforation	(Cone Drop)	mm	≤11	EN-ISO-13443
Water Flow Normal to the Plane	(Through-flow)	l/m ² /s	≥4	EN-ISO 11058
Roll Width x Length	5.2m x 100m			



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