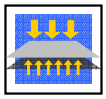
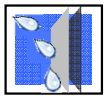
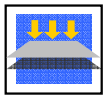
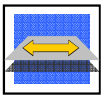
ECOFIBRE
NON WOVEN GEOTEXTILE
Würzburg Germany
Via Paolo Paoletti 10, 51037 Montale (PT) Italy - EUROPE

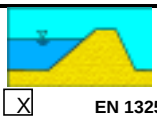
ECOFELT PES-SB 150

NONWOVEN NEEDLED FABRIC
PRODUCED WITH PES (POLYESTER) FIBER, WITHOUT CHEMICAL TREATMENTS

Funzioni / Function / Anwendungen / Function

X	X	X	☐	☐
				
Separazione / Separation / Séparation / Trennung	Filtrazione / Filtering / Filtration / Filterung	Drenaggio / Drainage / Drainage / Dränung	Protezione / Protection / Schutzfunction/ Protection/	Rinforzo / Reinforcement / Renforcement / Verstärkung

FEATURES	NORM	U.M	AVERAGE	TOLLERANCE
AERIC MASS	**UNI EN ISO 9864**	gr/mq	150	+/- 10%
THICKNESS (2kPa)	**UNI EN ISO 9863**	mm.	0,6	+/- 20%
LONGITUDINAL TRACT. RESISTANCE	**EN ISO 10319**	kN/m	2	+/- 10%
TRASNVERSAL TRACT. RESISTANCE	**EN ISO 10319**	kN/m	2,2	+/- 10%
LONGITUDINAL ELONGATION	**EN ISO 10319**	%	>50	-
TRANSVERSAL ELONGATION	**EN ISO 10319**	%	>50	-
ENERGY ABSORPTION INDEX	**EN ISO 10318**	kJ/m²	0,8	+/- 20%
STATIC PUNCHING	**EN ISO 12236**	kN	0,38	+/- 10%
DYNAMIC PUNCHING	**UNI EN ISO 13433**	mm.	50	+/- 10%
OPENING SIZE	**EN ISO 12956**	um.	50	+/- 30%
WATER PERMEABILITY PERP. ON PLANE	**EN ISO 11058**	m/s	0,078	+/- 30%
DRAINING CAPACITY IN PLANE (20kPa)	**EN ISO 12958**	m²/s	1,00E-06	+/- 30%
DURABILITY	**UNI EN 12224**	Predicting durability of minimum 5 years in natural soils with 4 <pH <9 and soil temperature <25 °.Be covered within 2 weeks from istallation.		

				
X **EN 13249**	X **EN 13250**	X **EN 13251**	X **EN 13252**	X **EN 13253**
Strade / Roads Strassen / Routes	Ferrovie / Railways Schienenbau / Rail	Fondazioni / Foundations Fundamenten / Fondations	Drenaggio / Drainage System Draensystem / Drainage	AntiErosione / Erosion Control Erosionsschutz / Erosion
				
X **EN 13254**	X **EN 13255**	☐ **EN 13256**	X **EN 13257**	X **EN 13265**
Bacini / Dams Staudaemme / Barrages	Canali / Canals Kaenalenbau / Canaux	Tunnel / Tunnels Tunnelbau / Tunnel	Rifiuti Solidi / Solid Waste Deponiebau / Dechets Solid	Rifiuti Liquidi / Liquid Waste Fluessige Deponieabfall / Dechets Liquides

The above mentioned values have been obtained in Ecofibre SRL laboratory and in accredited outer Laboratories.

The values are real and correct according to our knowledge.

Quality Control Manager
ECOFIBRE s.r.l.