



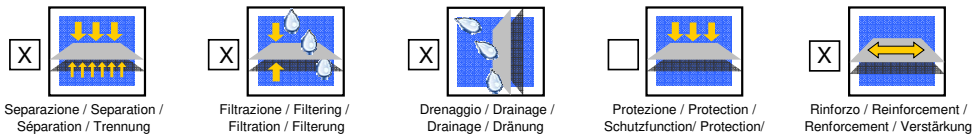
Via Paolo Paoletti 10, 51037 Montale (PT) Italy - EUROPE



## ECOFELT PES-SB 200

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

Funzioni / Function / Anwendungen / Function



FEATURES	NORM	U.M	AVERAGE	TOLLERANCE
AERIC MASS	UNI EN ISO 9864	gr/mq	200	+/- 10%
THICKNESS (2kPa)	UNI EN ISO 9863	mm.	0,9	-0,3
LONGITUDINAL TRACT. RESISTANCE	EN ISO 10319	kN/m	2	-0,6
TRASNVERSAL TRACT. RESISTANCE	EN ISO 10319	kN/m	2,2	-0,7
LONGITUDINAL ELONGATION	EN ISO 10319	%	>50	
TRANSVERSAL ELONGATION	EN ISO 10319	%	>50	
ENERGY ABSORPTION INDEX	EN ISO 10318	kJ/m <sup>2</sup>	0,8	-0,3
STATIC PUNCHING	EN ISO 12236	kN	0,37	-0,1
DYNAMIC PUNCHING	UNI EN ISO 13433	mm.	>50	+30%
OPENING SIZE	EN ISO 12956	um.	80	+30%
WATER PERMEABILITY PERP. ON PLANE	EN ISO 11058	m/s	0,080	+/- 30%
DRAINING CAPACITY IN PLANE (20kPa)	EN ISO 12958	m <sup>2</sup> /s	1,14E-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 installation.		

<p><input checked="" type="checkbox"/> EN 13249 Strade / Roads Strassen / Routes</p>	<p><input checked="" type="checkbox"/> EN 13250 Ferrovie / Railways Schienenbau / Rail</p>	<p><input checked="" type="checkbox"/> EN 13251 Fondazioni / Foundations Fundamente / Fondations</p>	<p><input checked="" type="checkbox"/> EN 13252 Drenaggio / Drainage System Draensystem / Drainage</p>	<p><input checked="" type="checkbox"/> EN 13253 AntiErosione / Erosion Control Erosionsschutz / Erosion</p>
<p><input checked="" type="checkbox"/> EN 13254 Bacini / Dams Staudaemme / Barrages</p>	<p><input checked="" type="checkbox"/> EN 13255 Canali / Canals Kaenalnenbau / Canaux</p>	<p><input type="checkbox"/> EN 13256 Tunnel / Tunnels Tunnelbau / Tunnel</p>	<p><input checked="" type="checkbox"/> EN 13257 Rifiuti Solidi / Solid Waste Deponiebau / Dechets Solid</p>	<p><input checked="" type="checkbox"/> EN 13265 Rifiuti Liquidi / Liquid Waste Fluessige Deponieabfall / Dechets Liquides</p>

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.

Roll lenght tolerance +/-2%, width tolerance +/-3cm

Montale 12-mar-24

Quality Control Manager  
**ECOFIBRE s.r.l.**