

Würzburg Germany

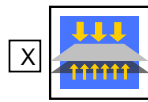
Via Paolo Paoletti 10, 51037 Montale (PT) Italy - EUROPE



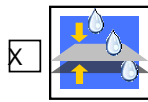
## ECOFELT PP-FC/AG 150

**NONWOVEN NEEDLED FABRIC**  
**PRODUCED WITH PP (POLYPROPYLENE) HT FIBER, WITHOUT CHEMICAL TREATMENTS, UV RAYS STABILIZED**

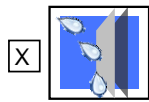
Funzioni / Function / Anwendungen / Function



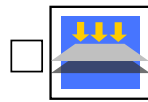
Separazione / Separation /  
Séparation / Trennung



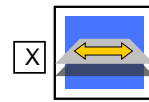
Filtrazione / Filtering /  
Filtration / Filterung



Drenaggio / Drainage /  
Drainage / Dränung



Protezione / Protection /  
Schutzfunktion / Protection



Rinforzo / Reinforcement /  
Renforcement / Verstärkung

FEATURES	NORM	U.M	AVERAGE	TOLERANCE
AERIC MASS	UNI EN ISO 9864	g/m <sup>2</sup>	150	+/- 10%
THICKNESS (2kPa)	UNI EN ISO 9863	mm.	0,96	-0,288
TENSILE STRENGTH RESISTANCE MD	EN ISO 10319	kN/m	12	-1,8
TENSILE STRENGTH RESISTANCE CMD	EN ISO 10319	kN/m	12	-1,8
ELONGATION MD	EN ISO 10319	%	>50	-
ELONGATION CMD	EN ISO 10319	%	>50	-
ENERGY ABSORPTION INDEX	EN ISO 10318	kJ/m <sup>2</sup>	4,8	-0,432
STATIC PUNCHING	EN ISO 12236	kN	2	-0,4
DYNAMIC PUNCHING	UNI EN ISO 13433	mm.	19	5,7
OPENING SIZE	EN ISO 12956	um.	100	+/- 30%
WATER PERMEABILITY PERP. ON PLANE	EN ISO 11058	m/s	0,1	+/- 30%
DRAINING CAPACITY IN PLANE (20kPa)	EN ISO 12958	m <sup>2</sup> /s	1,40E-06	+/- 30%
DURABILITY	EN ISO 12224	Be covered within one month. Predicting durability of minimum 50 years in natural soils with 4 <pH <9 and soil temperature <25 °.		

<p><input checked="" type="checkbox"/> EN 13249</p> <p>Strade / Roads Strassen / Routes</p>	<p><input checked="" type="checkbox"/> EN 13250</p> <p>Ferrovie / Railways Schienenbau / Rail</p>	<p><input checked="" type="checkbox"/> EN 13251</p> <p>Fondazioni / Foundations Fundamenten / Fondations</p>	<p><input checked="" type="checkbox"/> EN 13252</p> <p>Drenaggio / Drainage System Draensystem / Drainage</p>	<p><input checked="" type="checkbox"/> EN 13253</p> <p>AntiErosione / Erosion Control Erosionsschutz / Erosion</p>
<p><input checked="" type="checkbox"/> EN 13254</p> <p>Bacini / Dams Staudaemme / Barrages</p>	<p><input checked="" type="checkbox"/> EN 13255</p> <p>Canali / Canals Kaenalenbau / Canaux</p>	<p><input type="checkbox"/> EN 13256</p> <p>Tunnel / Tunnels Tunnelbau / Tunnel</p>	<p><input checked="" type="checkbox"/> EN 13257</p> <p>Rifiuti Solidi / Solid Waste Deponiebau / Dechets Solid</p>	<p><input checked="" type="checkbox"/> EN 13265</p> <p>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. The values can be updated in any time without advise.

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

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