

# TECHNICAL DATASHEET






## GEOFELT PE-R 200



Non woven Geotextile manufactured from polyester fibers, only needlepunched.  
Suitable for the following applications:

<input checked="" type="checkbox"/>		<b>EN ISO 13249:2016</b> Characteristics required for use in the construction of roads and other trafficked areas.	<input checked="" type="checkbox"/>		<b>EN ISO 13250:2016</b> Characteristics required for use in the construction of railways.
<input checked="" type="checkbox"/>		<b>EN ISO 13251:2016</b> Characteristics required for use in earthworks, foundations and retaining structures.	<input checked="" type="checkbox"/>		<b>EN ISO 13252:2016</b> Characteristics required for use in drainage systems.
<input checked="" type="checkbox"/>		<b>EN ISO 13253:2016</b> Characteristics required for use in erosion control works (coastal protection, bank revetments).	<input checked="" type="checkbox"/>		<b>EN ISO 13254:2016</b> Characteristics required for use in the construction of reservoirs and dams.
<input checked="" type="checkbox"/>		<b>EN ISO 13255:2016</b> Characteristics required for use in the construction of canals.	<input type="checkbox"/>		<b>EN ISO 13256:2016</b> required for use in the construction of tunnels and underground structures.
<input checked="" type="checkbox"/>		<b>EN ISO 13257:2016</b> Characteristics required for use in solid waste disposal.	<input checked="" type="checkbox"/>		<b>EN ISO 13265:2016</b> Characteristics required for use in liquid waste containment projects.

Functions:

<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Characteristic	Test Method	Unit		Nominal Value	Tolerance				
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>		200	-30				
Thickness	EN ISO 9863-1	mm	2 kPa	1,00	-0,20				
Wide-Width tensile strength	EN ISO 10319	kN/m	MD	2,00	-0,60				
			CMD	2,00	-0,60				
			DIAG	NPD	NPD				
			MD	55,00	-20 / +20				
Elongation	EN ISO 10319	%	CMD	65,00	-20 / +20				
			DIAG	NPD	NPD				
			Energy Index	EN ISO 10319	kN/m	NPD	NPD		
Static puncture resistance	EN ISO 12236	N	300	-100					
Dynamic perforation test	EN ISO 13433	mm	>50	NPD					
Pyramidal puncture resistance	NF G 38019	kN	NPD	NPD					
Supported Pyramidal Puncture Resistance	EN 14574	N	NPD	NPD					
Characteristic opening size - O90	EN ISO 12956	µm	80	-30 / +30					
Permeability normal to the plane	EN ISO 11058	m/s	0,098	-0,026					
Long term protection efficiency	EN 13719	%	300 kPa	NPD	NPD				
			600 kPa	NPD	NPD				
			1200 kPa	NPD	NPD				
Water flow capacity in the plane	EN ISO 12958	m <sup>2</sup> /s	20 kPa - i=1	NPD	NPD				
			100 kPa - i=1	NPD	NPD				
			200 kPa - i=1	NPD	NPD				
Durability prediction	EN 13249/57:2016,ANNEX B EN 13265:2016,ANNEX B		To be covered within 1 day after installation. Predicted to be durable 5 years in natural soils with 4<ph<9 and soil temperature < 25 °C						
Chemical resistance	EN 14030	Residual strength		MD	NPD				
Microbiological resistance	EN 12225	Residual strength		CMD	NPD				
				MD	NPD				
				CMD	NPD				

MD : Machine Direction - CMD : Cross Machine Direction - NPD: No performance determined / declared

TOLERANCE ON ROLL WIDTH: ± 3 cm. TOLERANCE ON ROLL LENGTH: ± 2% IF LENGTH ≤ 200 m, ± 1% IF LENGTH > 200 m.  
STANDARD CORES: PAPER, DIAMETER INNER 71mm / OUTER 78mm ± 5%

TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT. PRESENT DATA SHEET CAN BE MODIFIED WITHOUT PRIOR NOTICE



Quality Management according to UNI EN ISO 9001:2008

The values given are indicative and correspond to average results obtained in our laboratories and independent testing institutes. The right is reserved to make changes without notice at any time.  
No. 506/CE Revision 01 dd. 14.02.2018

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