



SINCE
1950

GEOSORP
Sorpton textile



1021 - CPR – 100-1/17



**STANDARD
100**



**PG035 217550
OETI**



- Characteristic:** Nonwoven textile mechanically bonded by needle punching
- Material content:** 100% Polypropylen
- Color:** Multicolor
- Weight:** 300 - 500 g/m²
- Maximum width:** 6 m
- Function:**



SEPARATION



FILTRATION



REINFORCEMENT



SORPTION

Use:

ROADS AND OTHER
TRAFFICKED AREAS



EN 13249:2016

RAILWAYS



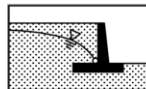
EN 13250:2016

EARTHWORKS, FOUNDATIONS,
AND RETAINING WALLS



EN 13251:2016

DRAINAGE
SYSTEMS



EN 13252:2016

EROSION
CONTROL



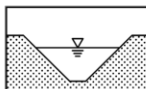
EN 13253:2016

RESERVOIRS AND DAMS



EN 13254:2016

CANALS



EN 13255:2016

TUNNELS AND
UNDERGROUND STRUCTURES



EN 13256:2016

SOLID WASTE DISPOSALS



EN 13257:2016

LIQUID WASTE
CONTAINMENT



EN 13265:2016

Material specification sheet

Date: 15.09.2025

GEOSORP			300	400	500
PHYSICAL PROPERTIES					
Weight [±15 %] / EN ISO 9864	g/m ²		300	400	500
Thickness 2 kPa [±15 %] / EN ISO 9863-1	mm		3,3	3,9	4,3
MECHANICAL PROPERTIES					
Tensile strenght / EN ISO 10319	MD	kN/m	16 -1	19-1	21 -1
	CMD		16-1	19 -1	21 -1
Elongation [±20 %] / EN ISO 10319	MD	%	90	90	95
	CMD		90	90	90
Resistance to static puncture (CBR test) / EN ISO 12236	kN		2,3 -0,2	3,0 -0,2	3,5 -0,2
Dynamic perforation test (cone drop test) / EN ISO 13433	mm		6 +3	5 +2	4 +2
SORPTION PROPERTIES					
Liquid absorption / ČSN EN ISO 9073-6 (Motor oil 10W-40)	%		980 ± 41	949 ± 21	743 ± 14
Liquid absorption /ČSN EN ISO 9073-6 (coolant)	%		749 ± 37	751,4 ± 30	670,7 ± 20
Liquid absorption / ČSN EN ISO 9073-6 (Benzine)	%		381±19	439,2±18	373±11
Liquid absorption /ČSN EN ISO 9073-6 (Diesel)	%		553±28	601,5±24	510,5±15
HYDRAULIC PROPERTIES					
Characteristic opening size 090 / EN ISO 12956	µm		85 ±15	79 ±15	79 ±15
Water permeability normal to the plane VIH50 / EN ISO 11058	l/m ² .s		67,1 -20	36,1 -20	36,1 -20
ENDURANCE					
Resistance to oxidation [±50 %] / EN ISO 13438	MD	%	92,7	92,7	92,7
	CMD		94,5	94,5	94,5
Color:			Cover on day after being placed		
Life expectancy			Min. 50 years in natural soils with 4<pH<9 with soil temperature < 25 °C.		
FUNCTION					
Function:	S		X	X	X
Filtration	F		X	X	X
Dranaige	D				
Reinforcement	R		X	X	X
Protection	P				
CHARACTERISTICS					
Description			Nonwoven textile mechanically bonded by needle punching		
Material content			100 % polypropylen		
Color			Multicolour		
DIMENSION, PACKAGING AND STORAGE					
Roll width	m		6	6	6
Roll lenght	m		50	50	50
Packaging			Rolls are packed in PE foil, and according to the requirements can be wind up on paper tubes		
Storage			In covered, clean and dry spaces		

The above technical parameters are average values and serve for general information. The manufacturer reserves the right to change it.