

MOKRUTEX HQ PP 180

2. Needle punched nonwoven geotextile used for building of motorways, railways, land buildings, bulding of dams, canals and drainage systems with separation and filtration function (S, F, R)

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5. System for adjudicatation and verification of building products : **2+**

6.a Textilní zkušební ústav s.p. - notified subjekt 1021 executed initial adjudication of production management system in accordance with system 2 +, performes regular witness on the production system and issued certificate No. 1021-CPR - 100 - 1/17

Character		Norm	Unit	Mean value	Tolerance	Harmonic technic norm
Square weight		EN ISO 9864	g/m²	180	± 10 %	EN 13249:2016
Strength	MD	EN ISO 10319	kN/m	13	- 1	EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016
	CMD		kN/m	13	- 1	
Tensibility	MD	EN ISO 10319	%	70	± 20	
	CMD		%	80	± 20	
Thickness 2 kPa		EN ISO 9863-1	mm	2,3	± 15 %	EN 13255:2016 EN 13255:2016 EN 13256:2016 EN 13257:2016 EN 13265:2016
Static puncture - CBR test		EN ISO 12236	kN	2,2	- 0.1	
Dynamic puncture - cone drop test		EN ISO 13433	mm	11	+3	
Characteristic opening size 0 ₉₀		EN ISO 12956	μm	142	± 15	
Determination of water permeability characteristics normal to the plane $\mathrm{VI}_{\mathrm{H50}}$		EN ISO 11058	I/m². s	94,7	- 6	
Determination of water flow capacity in their plane - gradient 0.1 / longitudinal direction	20 kPa	EN ISO 12958	I/m². s	6.20 x 10 ⁻⁴	± 15 %	
	100 kPa			0		
	200 kPa			0		
Determination of water flow capacity in their plane - gradient 0.1 / longitudinal direction	20 kPa	EN ISO 12958	I/m². s	8.01 x 10 ⁻³		
	100 kPa			2.68 x 10 ⁻³		
	200 kPa			5.88 x 10 ⁻⁴		
Resistance to weather conditions		EN ISO 12224	Must be covered within 2 weeks after being placed.			
Determination of durability (resistance to oxidation)	MD	EN ISO 13438	90,90%		min 50%	
	CMD		76,40%			
Dangerous substances			Less than EU states requirements		Valid national regulations EU state	

It is assumed durable for 100 years in natural soils with $4 \le pH \le 9$ with soil temperature ≤ 25 °C.

8. ...

Characteristics of the above mentioned product are in accordance with complex of declared characteristics.

This declation of characteristics is in accordance with EU directive No. 305/2011 issued in responsibility of producer mentioned above.

Signed by the manufacturer and his name: In Moravský Krumlov: 27.5.2020

Ing. Robert Šimek, Ph.D.
Chairman of the board of directors