



## DECLARATION OF CHARACTERISTICS

Number: **MK PP 1000 / 2018 - 2**

Polyester needle punched nonwoven geotextile Mokrutex PP

# 1. MOKRUTEX PP 1000

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)

3. RETEX a.s.  
U nádraží 894  
672 01 Moravský Krumlov, CZ  
e: geo@retex.cz · i: www.retex.cz

4. ...

5. System for adjudication 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 +, performs 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/m <sup>2</sup>	1000	± 15 %	EN 13249:2016
Strength	MD	EN ISO 10319	kN/m	22	- 3	EN 13250:2016
	CMD		kN/m	24	- 3	EN 13251:2016
Tensibility	MD	EN ISO 10319	%	135	± 20	EN 13252:2016
	CMD		%	130	± 20	EN 13253:2016
Thickness 2 kPa		EN ISO 9863-1	mm	6,3	± 15 %	EN 13254:2016
Static puncture - CBR test		EN ISO 12236	kN	4,2	- 0,2	EN 13255:2016
Dynamic puncture - cone drop test		EN ISO 13433	mm	0	+ 2	EN 13256:2016
Characteristic opening size O <sub>90</sub>		EN ISO 12956	µm	71	± 15	EN 13257:2016
Determination of water permeability characteristics normal to the plane V <sub>IH50</sub>		EN ISO 11058	l/m <sup>2</sup> · s	20,3	- 20	EN 13265:2016
Resistance to weather conditions		EN ISO 12224	Cover on day of lay down			
Determining the resistance to oxidation	MD	EN ISO 13438	92.70 %		± 10 %	
	CMD		94.50 %			
Dangerous substances			Less than EU states requirements			Valid national regulations EU states

It is assumed that nonwoven will be durable for a minimum of 25 years in natural soils with 4<pH<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 : 23.09.2021

Ing. Robert Šímek, Ph.D.  
Chairman of the boad of directors