



SINCE  
**1950**



08

## DECLARATION OF CHARACTERISTICS

Number: **MK HQ PES 150 / 2020 - 1**

Polyester needle punched nonwoven geotextile Mokrutex HQ PES

### 1. **MOKRUTEX HQ PES 150**

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)

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

7. Character	Norm	Unit	Mean value	Tolerance	Harmonic technic norm	
Square weight	EN ISO 9864	g/m <sup>2</sup>	150	± 10 %	EN 13249:2016	
Strength	EN ISO 10319	MD	kN/m	6	-1	EN 13250:2016
		CMD	kN/m	6.5	-1	EN 13251:2016
Tensibility	EN ISO 10319	MD	%	110	± 20	EN 13252:2016
		CMD	%	120	± 20	EN 13253:2016
Thickness 2 kPa	EN ISO 9863-1	mm	2.3	± 15 %	EN 13254:2016	
Static puncture - CBR test	EN ISO 12236	kN	0.9	-0.1	EN 13255:2016	
Dynamic puncture - cone drop test	EN ISO 13433	mm	19	+ 4	EN 13256:2016	
Characteristic opening size O <sub>90</sub>	EN ISO 12956	µm	124	± 15	EN 13257:2016	
Determination of water permeability characteristics normal to the plane V <sub>IHS0</sub>	EN ISO 11058	l/m <sup>2</sup> . s	98	- 10	EN 13265:2016	
Resistance to weather conditions	EN ISO 12224	Must be covered within 2 weeks after being placed.				
Dangerous substances		Less than EU states requirements			Valid national regulations EU states	

It is assumed durable for 50 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 : 26.5.2020

Ing. Robert Šimek, Ph.D.

Chairman of the board of directors