



TADITIONAL QUALITY NONWOVENS

DECLARATION OF PERFORMANCE

No.: MK PES 150 / 2026

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 150

2. Intended use/es: .

Needle-punched nonwoven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals and drainage systems for separation and filtration functions (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: 2+

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	3,5	-0,5	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	5,5	-0,5	
Elongation	MD	EN ISO 10319	%	80	±20	
	CMD		%	80	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	0,7	-0,1	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	31	+4	
Characteristic opening size O_{90}		EN ISO 12956	μm	81	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$\text{l/m}^2 \cdot \text{s}$	48,2	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances	Less than required by nationla regulations in EU Member States					National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < \text{pH} < 9$ and soil temperatures $< 25^\circ \text{C}$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

...

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: **MK PES 200 / 2026**

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 200

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	4,5	-0,5	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	6,5	-0,5	
Elongation	MD	EN ISO 10319	%	90	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	0,9	-0,1	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	21	+3	
Characteristic opening size O_{90}		EN ISO 12956	μm	94	±20	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$\text{l/m}^2 \cdot \text{s}$	68,9	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < \text{pH} < 9$ and soil temperatures $< 25^\circ \text{C}$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: **MK PES 250 / 2026**

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 250

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	5,5	-0,5	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	8,5	-0,5	
Elongation	MD	EN ISO 10319	%	90	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	1,1	-0,1	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	18	+2	
Characteristic opening size O_{90}		EN ISO 12956	μm	94	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$\text{l/m}^2 \cdot \text{s}$	68,9	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < \text{pH} < 9$ and soil temperatures $< 25^\circ \text{C}$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: **MK PES 300 / 2026**

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 300

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	7	-1	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	10	-1	
Elongation	MD	EN ISO 10319	%	90	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	1,3	-0,1	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	15	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	74	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	50,6	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

...

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Moravský Krumlov: 27.5.2026

Ing. Robert Šimek, Ph.D.
Chairman of the Board



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: MK PES 350 / 2026

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 350

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: 2+

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	8	-1	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	13	-1	
Elongation	MD	EN ISO 10319	%	95	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	1,5	-0,1	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	11	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	74	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	50,6	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances	Less than required by nationla regulations in EU Member States					National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: **MK PES 400 / 2026**

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 400

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	11	-2	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	16	-2	
Elongation	MD	EN ISO 10319	%	95	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	2	-0,2	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	7	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	76	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	50,7	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: **MK PES 500 / 2026**

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 500

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	15	-2	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	20	-2	
Elongation	MD	EN ISO 10319	%	100	±20	
	CMD		%	100	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	2,4	-0,2	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	4	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	76	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	50,7	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: MK PES 600 / 2026

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 600

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: 2+

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	17	-2	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	24	-2	
Elongation	MD	EN ISO 10319	%	90	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	2,8	-0,2	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	2	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	76	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	50,7	-20	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances	Less than required by nationla regulations in EU Member States					National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: **MK PES 700 / 2026**

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 700

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	19	-2	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	28	-2	
Elongation	MD	EN ISO 10319	%	90	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	3,2	-0,2	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	2	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	64	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	17	-10	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Moravský Krumlov: 27.5.2026

Ing. Robert Šimek, Ph.D.
Chairman of the Board



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: **MK PES 800 / 2026**

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 800

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: **2+**

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	23	-3	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	33	-3	
Elongation	MD	EN ISO 10319	%	95	±20	
	CMD		%	95	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	3,8	-0,2	EN 13252:2016
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	0	+2	EN 13253:2016
Characteristic opening size O_{90}		EN ISO 12956	µm	64	±15	EN 13254:2016
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	17	-10	EN 13255:2016 EN 13257:2016
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

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Signed for and on behalf of the manufacturer by:
Moravský Krumlov: 27.5.2026

Ing. Robert Šimek, Ph.D.
Chairman of the Board



TADITIONAL QUALITY NON-WOVENS

DECLARATION OF PERFORMANCE

No.: MK PES 900 / 2026

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 900

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

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5. System/s of AVCP:

System for assessing and verifying the durability of construction products: 2+

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	26	-3	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	36	-3	
Elongation	MD	EN ISO 10319	%	95	±20	
	CMD		%	95	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	4,4	-0,2	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	0	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	64	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	17	-10	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
Dangerous substances		Less than required by nationla regulations in EU Member States				National Regulations in force in EU Member States

A durability of 25 years is assumed in natural soils with a value of $4 < pH < 9$ and soil temperatures $< 25^\circ C$.

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

...

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Moravský Krumlov: 27.5.2026

Ing. Robert Šimek, Ph.D.
Chairman of the Board



TADITIONAL QUALITY NONWOVENS

DECLARATION OF PERFORMANCE

No.: MK PES 1000 / 2026

Polyester needle-punched non-woven fabric MOKRUTEX PES

1. Unique identification code of the product-type:

MOKRUTEX PES 1000

2. Intended use/es: .

Needle-punched non-woven fabric for the construction of roads, railways, earthworks, for the construction of dams, canals, drainage systems for the function of separation, filtration (S, F)

3. Manufacturer:

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

4. Authorised representative:

...

5. System/s of AVCP:

System for assessing and verifying the durability of construction products: 2+

6.a Notified body/ies: .

Textilní zkušební ústav s.p. - notified body 1021 has carried out an initial assessment of the production management system according to system 2 + carries out regular supervision of the production system and issued a certificate.

6.b European Technical Assessment:

...

7. Declared performance/s:

Property		Standard	Unit	Value	Tolerance	Harmonized standards
Tensile strenght	MD	EN ISO 10319	kN/m	28	-3	EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016
	CMD		kN/m	39	-3	
Elongation	MD	EN ISO 10319	%	95	±20	
	CMD		%	90	±20	
Static puncture resistance (CBR)		EN ISO 12236	kN	5,1	-0,2	
Dynamic perforation resistance (cone drop)		EN ISO 13433	mm	0	+2	
Characteristic opening size O_{90}		EN ISO 12956	µm	66	±15	
Water permeability perpendicular to the plane of the geotextile V_{H50}		EN ISO 11058	$l/m^2 \cdot s$	18,4	-10	
Maximum allowed time between installation and covering of the geosynthetic		EN ISO 12224	It must be covered on the day of laying.			EN 13265:2016
Hydrolysis resistance		EN ISO 12447	%	>81,3	min 50	
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