



The present standard establishes the technical quality conditions, environmental requirements, sampling conditions, storage conditions, as well as other explanations necessary for producing **Secunet 180** nonwoven geotextiles obtained from unique polymer fibres.

APPLICATION DOMAIN

The product has applications in the domain of civilian and industrial engineering, according to the table below.

SHIPPING AND STORAGE REQUIREMENTS

The material shall be transported by clean, covered means of transportation, protected from moisture and dirt. The material shall be stored in closed spaces, protected from UV, away from water, steam and other types of pipes.

TECHNICAL QUALITY CONDITIONS

Secunet geotextiles must accomplish the quality conditions from the table below:

Physical-mechanical properties

Properties	Unit	Standard	Tolerance	Secunet 180
Mass	gr/m ²	SR EN 965:1999	± 10%	180
Thickness under the load of 2 kN/m ²	mm	SR EN 964-1:1999	± 0,3 mm	2
Thickness under the load of 20 kN/m ²	mm	SR EN 964-1:1999	± 0,3 mm	1,3
Tear resistance, longitudinal	kN/m	SR ISO 10319:1997	- 1 kN/m	4
Tear resistance, transversal	kN/m	SR ISO 10319:1997	- 1 kN/m	5
Elongation at break, longitudinal	%	SR ISO 10319:1997	± 20%	65
Elongation at break, transversal	%	SR ISO 10319:1997	± 20%	70
CBR puncture	N	SR EN ISO 12236:07	- 100 N	630
Width	m	STAS 6137-78	± 2 cm	1-6

Hydric properties

Properties	Unit	Standard	Tolerance	Secunet 180
V-Index 20°C	mm/s	SR EN ISO 11058:02	± 10 mm/s	100
Flow	l/m ² s	SR EN ISO 11058:02	± 10 l/m ² s	100
Pore dimension Φ90	microns	EN ISO 12956:1999	± 20 μm	500
Permeability k-Index at 20°C	m x 10 ⁻³ /s	SR EN ISO 11058:02	- 0,5 m x 10 ⁻³ /s	2,5
Permeability k-Index at 10°C	m x 10 ⁻³ /s	SR EN ISO 11058:02	- 0,5 m x 10 ⁻³ /s	2

SAMPLING, PACKAGING, STORAGE AND DELIVERY PACKAGE

Each lot shall contain a declaration of conformity and other documents, according to the laws in force.

Each roll shall be sampled in a visible place with a label containing: the name of the provider, article name, product width (m), roll length (m), operator number, shift, technical control of quality visa (CTC visa), production date, weight (kg).

Given the way in which it was obtained and in which it is used, this article does not affect life protection, work protection and security. Therefore, a certificate issued by a neuter institution authorized in the domain is not necessary.

ENVIRONMENTAL AND INSTALLING REQUIREMENTS

To be covered within 24 hours from installation. The supposed durability is of minimum 20 years, for other applications except reinforcement, in natural soils with 4<pH <9 and a temperature of <25°C.

PRODUCT RECEIPT

The term of acceptance and of formulating eventual complaints is within 5 days after receipt of the wares.

Application domain

Article name	Role in the work
Secunet 180	F; F+S; F+D; F+S+D; D; R

Legend:

F - Filtration / D - Drainage / S - Separation / R - Reinforcement / P - Protection

We are not liable for eventual damages caused by the incorrect putting into work of the geotextile or if the beneficiary uses a geotextile inadequate for the purpose of the work. We reserve the right to modify the technical data without prior notice.