

# Datasheet

# Gauris Geotextile

## PP 150 (H)

## About GAURIS

Gauris is all about liners and Geotextile. We think about liners. We live liners. And we do that very well. The proof? We receive requests from across the world. It is usually custom work, as no two contracts are the same. Whether it is a swimming pond, water tank, waste heap, roof construction, or a swimming pool – no two projects are the same. They always involve bespoke work and demanding requirements. For the composition of the liner. For the strength. For the shape.

For the use and the required lifespan. For the appearance. For the colour. And for the way in which the liners are 'welded' to each other. After all, a liner is much more than just plastic on a roll. Much more.

### **Certified Quality**

Besides various Certificates as KIWA, we are committed to quality and continuous improvement.

# Datasheet

## Gauris Geotextile

PP 150 (H)

**Product description:** Synthetic fiber fleece made of 100% polypropylene fibers, mechanically needled and thermally fixed, rot-proof, UV-resistant \*. Non woven.  
Geotextiles used for filtering and separating

**Standard dimensions:** Roll length: 100 m tolerance:  $\pm 2\%$   
Roll width: 200/400/500 cm tolerance:  $\pm 3$  cm

			Tolerance
Basis weight	165	g / m <sup>2</sup>	-15
Thickness (2kPa)	0.80	mm	- 0.16
Color	white		
Longitudinal tensile force (MD)	12	kN / m	- 1.8
Maximum tractive force across (CMD)	12	kN / m	- 1.8
Maximum tensile strength extension (MD)	50	%	$\pm 20$
Maximum transverse tensile strength (CMD)	65	%	$\pm 20$
Stamp penetration force	1800	N	- 300
Taper drop test	28	mm	+ 5.6
Characteristic opening width	60	$\mu$ m	$\pm 30$
Permeable to water perpendicular to the plane	0.060	m / s	- 0.018
Oxidation resistance	MD> 90% CMD> 90%		
Chemical resistance	MD> 90% CMD> 90%		
Microbiological resistance	MD 100% CMD 100%		
Type of consolidation	mechanically needled staple fiber fleece, thermally fixed		

Resistant for more than 80 years in applications with no reinforcement function in natural soils a pH value between 4 and 9 and a soil temperature <15 ° C (Assessment 325070/110701).

\* Cover 30 days after installation, otherwise a drop in strength may occur.

The data are empirical values based on the current state of production and are subject to customary commercial practice Tolerances, however, are not guaranteed properties. We reserve the right to make technical changes.

