

PRODUCT DATA SHEET

TECHNICAL DATA SHEET 17012102ME001

SUPERSEDES: TECHNICAL DATA SHEET 180507ME1E

DESCRIPTION

SOPRATEX® PP is a needle-punched, non-thermally bonded, nonwoven and 100 % polypropylene geotextile membrane, with a trapezoidal tear strength of 29 N in both machine and cross-machine directions as per ASTM D 4533. SOPRATEX® PP is predicted to exhibit a service-life-expectancy of 25 years (minimum) in natural soil. SOPRATEX® PP is extremely durable due to its select range of fibres used in the weave with exceptional low rate of moisture absorption. The product is supplied in different weights/m to suit the different applications it is designed for. SOPRATEX® PP is used as an integral element of SOPREMA's CSW (Compartment System for Waterproofing) in sub-structure waterproofing applications.

STORAGE & HANDLING

Rolls must be stored in upright position, with selvedge side on top to prevent damage. Store rolls in a clean dry location and cover as necessary to protect from any environmental impact such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of SOPRATEX® PP.

USER APPLICATION

SOPRATEX® PP can be used in single ply or 2-ply, vertically and horizontally in substructure and superstructure applications. All the application guidelines are described in SOPREMA's Technical Manuals in force.

ADVANTAGES

- Superior puncture resistance
- Superior tensile strength
- High elongation
- Excellent chemical resistance
- Low moisture absorption

HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.



COMPOSITION & PACKAGING

PROPERTY	SOPRATEX® PP			
	100	120	140	350
Thickness under 2 kN / m ²	1.0 mm	1.2 mm	1.4 mm	2.6 mm
Weight	100 g / m ²	120 g / m ²	140 g / m ²	350 g / m ²
Roll length	100 m	100 m	100 m	100 m
Roll width	6 m	6 m	6 m	3 m

Note: Other weight / m are available upon request for special production

TECHNICAL PROPERTIES

PROPERTY	STANDARDS	100	120	140	350
Grab strength - MD	ASTM D 4632	400 N	500 N	590 N	1570 N
Grab strength - CMD	ASTM D 4632	400 N	500 N	590 N	1570 N
Grab elongation - MD	ASTM D 4632	70 %	70 %	70 %	70 %
Grab elongation - CMD	ASTM D 4632	75 %	75 %	75 %	75 %
Trapezoidal tear strength - MD	ASTM D 4533	200 N	265 N	290 N	520 N
Trapezoidal tear strength - CMD	ASTM D 4533	200 N	265 N	290 N	520 kN
Index puncture strength	ASTM D 4833	220 N	270 N	320 N	840 N
CBR puncture resistance	ASTM D 6241	1.1 kN	1.4 kN	1.6 kN	4.5 kN
UV resistance	ASTM D 4355	70 % / 500 hrs.	70 % / 500 hrs.	70 % / 500 hrs.	70 % / 500 hrs.
Permeability	ASTM D 4491	135 l / m ² .s	130 l / m ² .s	120 l / m ² .s	63 l / m ² .s
Apparent opening size	ASTM D 4751	0.19 mm	0.18 mm	0.17 mm	0.075 mm
UV seize size	ASTM D 4751	70 mm	80 mm	80 mm	200 mm

Note: All products manufactured by SOPREMA comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

Data is represented by average values, unless noted otherwise.

All values are nominal.

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

