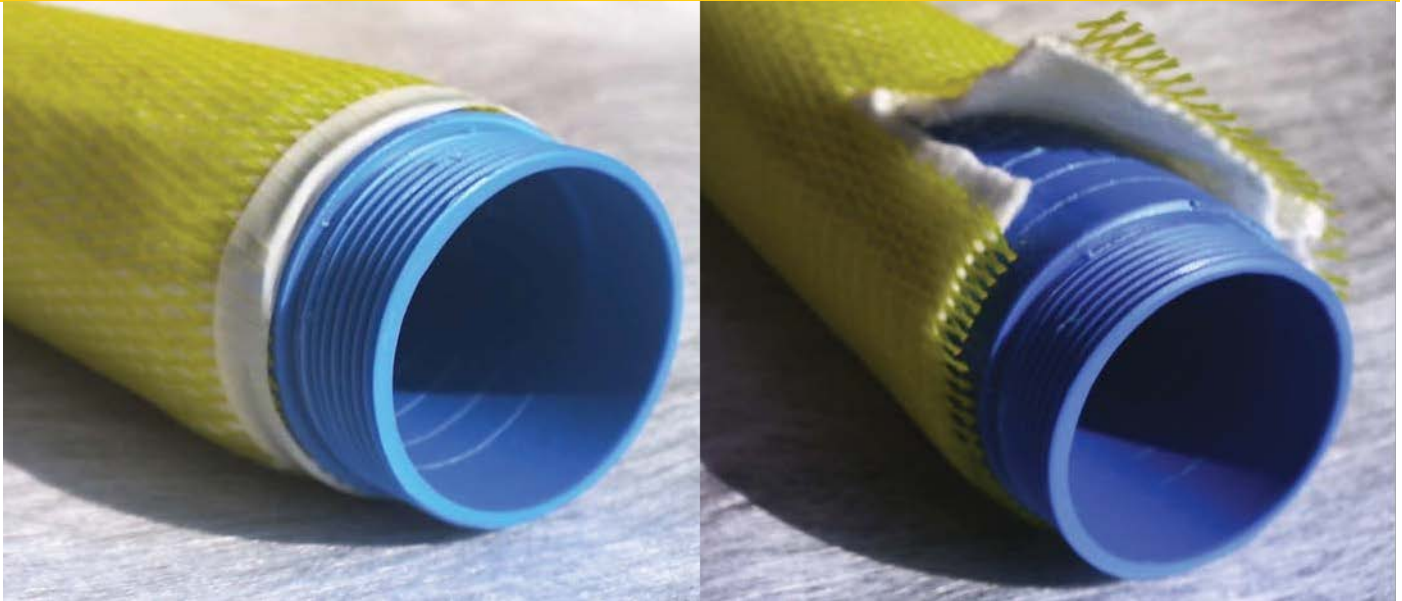


CALIFORNIAN DRAIN



RESISTANCE TO COMPRESSION AND TRANSPORT CAPACITY

These are the two characteristics of the Hidroplus Californian drain tube.

Supporting the loads and collecting the maximum flow, the Hidroplus drain meets the greatest demand

Hidroplus offers the possibility of a rabbetting to the need of each application

The only rabbit in the ground of the pipeline, two, three, four, etc. simetrical rabbets, tailored to the needs of the drain.

The rabbetting calibrated with different sections 0.2, 0.5, 1, 1.5 mm and the geotextile coating of different porosities, turn into multiple job possibilities.

The Hidroplus Californian Drain Consists of:

- Hidroplus filter with a high resistance to crushing and calibrated rabbetting
- Polypropylene geotextile coating
- Protective polyethylene plastic mesh (protects the tearing in the geotextile during the introduction to the drilling)

GEOTEXTILE COVER CHARACTERISTICS (polipropilene 100%)

Technical Characteristics	Units	Values	Regulations
Thickness under 2KPa	mm	1.9	DIN 53855
Resistance to Traction	N/5 cm	600	DIN 53857 / 2
Ductile Yield	%	80	DIN 53857 / 2
Resistance to Traction	N	850	ASTMD4632
Ductile Yield	%	90	ASTMD4632
Resistance to Traction	KN/m	12	NF-G338014 (long band)
Ductile Yield	%	80	NF - G38014
Resistance to Punturing	KN	2	DIN 54307
Porosity	D95 m cras	120	NF - G38017
Permeability Coefficient	cm/s x 10 ⁻¹	5	NF - G38017
Water flow	L/m ² /s	230	NF - G38016

Very Effective in the Following Situations:

- Stabilization of Artificial and Natural Slopes.
- Walls
- Supports
- Drainage in the Construction of Roads, Rail Roads



APPLICATIONS



TECHNICAL DATA

Diameter ext/int. (mm)	Thickness (mm)	Weight Kg/mt	Resistance Compression Kp/cm ²
33 x 24	4.7	0.5	450
43 x 30	6	0.8	480
48 x 34	6.8	0.9	480
63 x 53.6	4.7	1.2	40.45
75 x 63.8	5.6	1.8	40.55
90 x 76.6	6.7	2.46	40.15
110 x 96.8	6.6	3.2	17
125 x 110.2	7.4	3.8	18.26
140 x 123.4	8.3	5	18.25
160 x 141	9.5	6	18.35
180 x 166.2	6.9	5.3	4.29
180 x 158.6	10.7	7	18.42
200 x 184.6	7.7	6.5	4.35
200 x 176.2	11.9	8.5	18.48
250 x 230.8	9.6	9.6	4
250 x 220.4	14.8	13	18.16
315 x 290.8	12.1	16.1	4.3
400 x 369	15.3	26.1	4.3

TABLE OF TECHNICAL CHARACTERISTICS AND REGULATORY REQUIREMENTS.

Characteristics	Un	UNE 53112	CEN 155 WI 019
Density	Kg/m ³	1350 a 1460	1350 a 1460
VICAT Softening Temperature	°C	>79	>80
Water Absorption	gr/m ²	50	-
Performance in the Heat	%	>5	>5
Resistance to Impact			
Fault at 0°C	%	>5	>5
Fault at 20°C	%	>5	>5
Resistance to Mpa Traction	>49	-	
Ductile Yield	%	>80	-
Resistance to Internal Pressure			Dn
At 20°C during 1 h	Mpa	4.2 Pn	<90
At 20°C during 100 h	Mpa	3.5 Pn	4.2 Pn 3.35 Pn
At 20°C during 1000 h	Mpa	1.0 Pn	3.5 Pn 2.80 Pn
Degree of Gellification 15°30'	-	-	1.25 Pn 1.0 Pn
Tangential Tension S _s	Mpa	10	
Short-term Elastic Modulus Mpa	3 000		-