

Technical Data Sheet

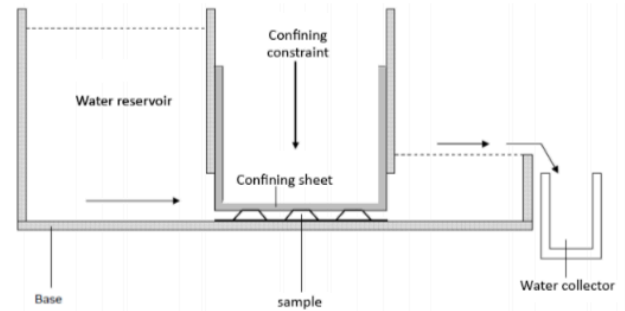
PROPERTIES	SPECIFICATIONS	REFERENCES
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GEOFLOW

PRODUCT PROPERTIES	Length		50 m		
	Width		2 m		
	Weight		620 g/sqm	EN 965-95	
	Thickness	20 kPa		4.5 mm	EN 964-1-95
		200 kPa		4 mm	
	Tensile strength	DP*		13 kN/m	ISO 10319-97
		TD*		12 kN/m	
	Stretching	DP*		50 %	ISO 10319-98
TD*			50 %		
Crush resistance			> 1250 kPa	ASTM D 1621	

*DP : Direction of Production / TD : Tranverse Direction

FLOW CAPACITY	i = 0,5	$\sigma = 20$ kPa	0.83 L/(m.s)	ISO 12958 (samples of 350 x 300 mm, trials on rigid sheets)
		$\sigma = 50$ kPa	0.72 L/(m.s)	
		$\sigma = 200$ kPa	0.50 L/(m.s)	
		$\sigma = 500$ kPa	0.14 L/(m.s)	
	i = 1	$\sigma = 20$ kPa	1.15 L/(m.s)	
		$\sigma = 50$ kPa	1.05 L/(m.s)	
		$\sigma = 200$ kPa	0.80 L/(m.s)	
		$\sigma = 500$ kPa	0.26 L/(m.s)	



DRAINAGE GEOGRID

Weight		500 g/sqm	EN 965-95
Thickness	20 kPa	4.2 mm	EN 964-1
	200 kPa	3.8 mm	
Thickness loss due to creep behavior (after 1000h with 200 kPa)		< 3%	EN 1897-1

GEOTEXTILE

Weight		120 g/sqm	ISO 29073-1
Flow capacity (normal plan)		100 L/sqm.s	ISO 11058
Filtration opening		90 μ m	EN ISO 12956

σ : Standard pressure on the drainage geogrid plan

i : Hydraulic gradient

1 L/(m.s) = 10^{-3} sqm/s