

	Property	Standard/Norm	Unit	ISO-DRAIN nature 3 P	ISO-DRAIN nature 10 M / 10 MP	ISO-DRAIN nature 10 G / 10 GP	ISO-DRAIN nature 10 GPG	ISO-DRAIN nature 10 G / 10 G + as	ISO-DRAIN nature 10 GF
Core Product	Resin	---	---	HDPE	HDPE	HDPE	HDPE	HDPE	HDPE
	Colour	---	---	black	black	black	black	black	black
	Area weight	DIN EN 12127	g/m ²	1,000	600	600	600	600	600
	Dimple height	---	mm	3	10	10	10	10	10
	Dimple spacing	---	pcs/m ²	2,500	3,360	3,360	3,360	3,360	3,360
	Air gap (between dimples)	---	l/m ²	3.6	7.9	7.9	7.9	7.9	7.9
	Compressive strength	EN ISO 25619-2	kN/m ²	1,600	420	420	420	420	420
	Dimensions	---	m	1.00 x 2.20 1.00 x 30.00 2.00 x 30.00	2.00 x 12.50	2.00 x 12.50	2.00 x 12.50	2.00 x 12.50	2.00 x 12.50
	Water storage capacity	---	l/m ²	---	---	---	1.9	---	---
	Perforation	---	mm	2 x 9	--- / 2 x 9	--- / 2 x 9	2 x 9	---	---
Lamination 1	Resin	---	---	---	PE	PP	PP	PP	PP
	Area weight	DIN EN 12127	g/m ²	---	95	136	136	136	136
Lamination 2	Resin	---	---	---	---	---	PP	---	PE
	Area weight	DIN EN 12127	g/m ²	---	---	---	136	---	100
Geotextile	Tensile strength	EN ISO 10319	kN/m	---	---	9.0	9.0	9.0	9.0
	Puncture (CBR)	EN ISO 12236	N	---	---	1,250	1,250	1,250	1,250
	Dynamic cone puncture	EN ISO 13433	mm	---	---	29	29	29	29
	Opening size	EN ISO 12956	µm	---	---	120	120	120	120
	Permeability	EN ISO 11058	10 ⁻³ m/s	---	---	50	50	50	50
Geocomposite	Area weight	EN ISO 9864	g/m ²	---	695	740	880	750	840
	Drainage capacity	EN ISO 12958, i=1	l/(ms)	0.73	3.0	3.5	3.5	3.5	3.5
	Tensile strength (MD)	EN ISO 10319	kN/m	7.3	26.1	15.4	15.4	15.4	15.4
	Tensile strength (CMD)	EN ISO 10319	kN/m	---	22.2	16.8	16.8	16.8	16.8
	Strain at maximum load	EN ISO 10319	%	40	50	50	50	50	50
	CE Certificate	EN ISO 13252	---	yes	yes	yes	yes	yes	yes
General	Service temperature range	---	°C	-40 - +80					
	Storage	---	---	protect from UV radiation					
	Physiological properties	---	---	resistant to a wide range of chemicals, resistant to fungus and bacteria attack, impervious to root penetration, rot proof					

All figures are to be understood as approximate values. Evaluation of suitability for any specific application is always the sole responsibility of the customer.

	Property	Standard/Norm	Unit	ISO-DRAIN nature 20 P	ISO-DRAIN nature 20 PG	ISO-DRAIN nature 20 M / 20 MP	ISO-DRAIN nature 25 P	ISO-DRAIN nature 40 P
Core Product	Resin	---	---	HDPE	HDPE	HDPE	HDPE	HDPE
	Colour	---	---	black	black	black	black	black
	Area weight	DIN EN 12127	g/m ²	1,000	1,000	1,000	1,000	1,900
	Dimple height	---	mm	20	20	20	25	40
	Dimple spacing	---	pcs/m ²	400	400	400	400	64
	Air gap (between dimples)	---	l/m ²	14	14	14	13.5	25
	Compressive strength	EN ISO 25619-2	kN/m ²	240	240	240	180	130
	Dimensions	---	m	1.20 x 2.50 2.00 x 20.00 2.50 x 20.00	2.00 x 12.50	2.00 x 12.50	1.20 x 2.50 2.00 x 12.50	2.00 x 1.50
	Water storage capacity	---	l/m ²	6	6	---	8	9
	Perforation	---	mm	5	2 x 9	--- / 2 x 9	5	5
Lamination 1	Resin	---	---	---	---	PE	---	---
	Area weight	DIN EN 12127	g/m ²	---	---	95	---	---
Lamination 2	Resin	---	---	---	PP	---	---	---
	Area weight	DIN EN 12127	g/m ²	---	136	---	---	---
Geotextile	Tensile strength	EN ISO 10319	kN/m	---	9.0	---	---	---
	Puncture (CBR)	EN ISO 12236	N	---	1,250	---	---	---
	Dynamic cone puncture	EN ISO 13433	mm	---	29	---	---	---
	Opening size	EN ISO 12956	µm	---	120	---	---	---
	Permeability	EN ISO 11058	10 ⁻³ m/s	---	50	---	---	---
Geocomposite	Area weight	EN ISO 9864	g/m ²	---	1,140	1,095	---	---
	Drainage capacity	EN ISO 12958, i=1	l/(ms)	10.6	10.6	7.57	7.9	---
	Tensile strength (MD)	EN ISO 10319	kN/m	11.7	11.7	22.1	7.1	23
	Tensile strength (CMD)	EN ISO 10319	kN/m	11.5	11.5	16.2	6.3	25
	Strain at maximum load	EN ISO 10319	%	55	55	40	70	70
	CE Certificate	EN ISO 13252	---	yes	yes	yes	yes	yes
General	Service temperature range	---	°C	-40 - +80				
	Storage	---	---	protect from UV radiation				
	Physiological properties	---	---	resistant to a wide range of chemicals, resistant to fungus and bacteria attack, impervious to root penetration, rot proof				

All figures are to be understood as approximate values. Evaluation of suitability for any specific application is always the sole responsibility of the customer.