

DATA SHEET

LITE-STRIPS Bio1

For mixing into soil as a root-zone irrigation and greening aid, as well as to improve substrate permeability and prevent compaction.

Mixing ratio: for lawns approx. 0.5–1.0 l per m², for raised planting beds 5–10 l per m², approx. 10–20 l per tree pit, approx. 3% by volume for large volumes, 5–10% by volume for smaller plant pots.



DESCRIPTION

Basic fleece: needlepunch 100% VIS flat (FL), color brown, 100% biodegradable (approx. 1–2 years)

TYPE

needlepunch

COMPOSITION

100% cellulose

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		DIN EN 29073-1 / ISO 9073-1	g/m ²	600
thickness		DIN EN 29073-2 / ISO 9073-2	mm	6,15
tensile strength	MD	DIN EN 29073-3 / ISO 9073-3	N/5 cm	> 200
	CD			> 190
elongation at break	MD	DIN EN 29073-3 / ISO 9073-3	%	< 65
	CD		%	< 75
water absorption capacity		ISO 9073-6	%	> 800
water storage capacity			l/kg	9,5
porosity			%	> 85
size	Length × thickness × width		mm	70 x 12 x 6
delivery sizes			m ³ (kg), l box size in cm	1 (approx. 50), 5 x 50, 250 oder 60 BigBag, 122x42x45/40x40x40

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

LITE-STRIPS Bio5

For mixing into soil as a root-zone irrigation and greening aid, as well as to improve substrate permeability and prevent compaction.

Mixing ratio: for lawns approx. 0.5 -1.0 l per m², for green roofs: approx. 1.0-2.0 l/m², for raised planting beds: 5-10 l per m², approx. 10-20 l per tree pit, approx. 3% by volume for large volumes, 5-10% by volume for smaller plant pots.



DESCRIPTION

Basic fleece: needlepunch 30% VIS flat (FL), 70% PLA, color white, 100% biodegradable (approx. 5-10 years)

TYPE

needlepunch

COMPOSITION

30% cellulose, 70% PLA

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		ISO 9073-1	g/m ²	500
thickness			mm	5,7
tensile strength	MD	ISO 9073-2	N/5 cm	≥ 240
	CD			≥ 420
elongation at break	MD	ISO 9073 -3	%	≤ 110
	CD		%	≤ 115
water absorption capacity		ISO 9073 - 6	%	≥ 850
water storage capacity			l/kg	10
porosity			%	> 85
size	Length × thickness × width		mm	70 x 12 x 6
delivery sizes			m ³ (kg), l	1 (approx. 50), 5 x 50, 250 oder 60

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DATA SHEET



LITE-STRIPS PP

For mixing into soil as a root-zone irrigation and greening aid, as well as to improve substrate permeability and prevent compaction.

Mixing ratio: for lawns approx. 0.5-1.0 l per m², for green roofs approx. 1.0-2.0 l/m², for raised planting beds 5-10 l per m², approx. 10-20 l per tree pit, approx. 3% by volume for large volumes, 5-10% by volume for smaller plant pots.



DESCRIPTION

Basic fleece: needlepunch 100% polypropylene, color grey, durable

TYPE
needlepunch

COMPOSITION
100 % polypropylene, UV stabilized, continuous filament

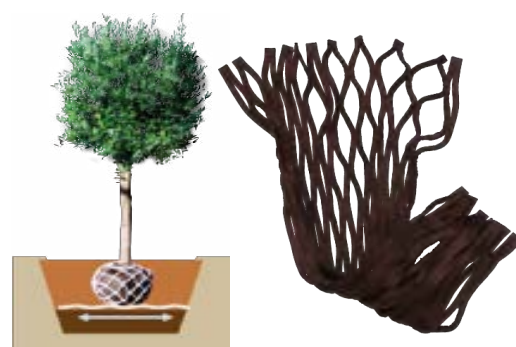
PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		EN ISO 9864	g/m ²	600
thickness			mm	5
tensile strength	MD	EN ISO 10319	kN/m	40
	CD			40
elongation at break	MD	EN ISO 10319	%	95
	CD		%	78
Opening width		EN ISO 12956	mm	0,08
water storage capacity			l/kg	8
porosity			%	> 85
size	Length × thickness × width		mm	70 x 12 x 6
delivery sizes			m ³ (kg), l	1 (approx. 50), 5 x 50, 250 oder 60

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

LITE-NET TREE Bio1 L + XL

Pre-assembled vegetation and distribution net for new tree plantings, for wrapping root balls and/or for horizontal placement beneath the root ball.



DESCRIPTION

Basic fleece: needlepunch 100% VIS flat (FL), color brown, 100% biodegradable (1-2 years)

TYPE
needlepunch

COMPOSITION
100 % cellulose

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		DIN EN 29073-1 / ISO 9073-1	g/m ²	600
thickness		DIN EN 29073-2 / ISO 9073-2	mm	6,15
tensile strength	MD	DIN EN 29073-3 / ISO 9073-3	N/5 cm	> 200
	CD			> 190
elongation at break	MD	DIN EN 29073-3 / ISO 9073-3	%	< 65
	CD		%	< 75
water absorption capacity			%	> 800
water storage capacity		ISO 9073-6	l/kg	9,5
porosity			%	> 85
net size	width - length			
closed			m	0,34/1,1 (L) - 0,4/2,0 (XL)
opened (with A max.)			m	0,8/1,5 (L) - 1,6/1,75 (XL)
net area(max.)			m ²	1,2 (L) - 2,8 (XL)
net cutting length			cm	16 (L) - 20 (XL)
net opening width			cm	Ø 10 (L) - Ø (XL)13
delivery size			pcs./box (cm) psc./box (cm)	L: 90 (122x42x45)/20 (40x60x23)/6x3 (40x60x23) XL: 45 (122x42x45)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

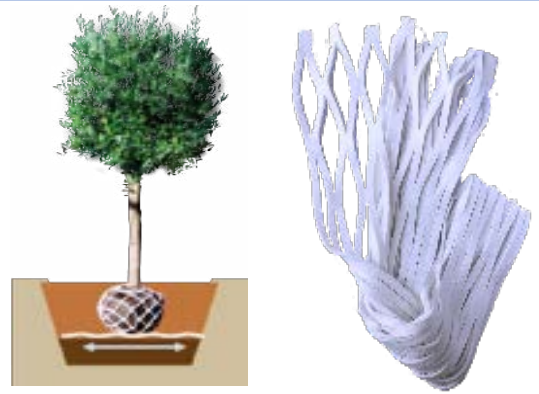
DATA SHEET

LITE-NET TREE Bio5 L + XL

Pre-assembled vegetation and distribution net for new tree plantings, for wrapping root balls and/or for horizontal placement beneath the root ball.

DESCRIPTION

**Basic fleece: needlepunch 30% VIS flat (FL),
70% PLA, color white,
100% biodegradable (approx. 5–10 years)**



TYPE

needlepunch

COMPOSITION

30% cellulose, 70% PLA

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		ISO 9073-1	g/m ²	500
thickness			mm	5,7
tensile strength	MD	ISO 9073-2	N/5 cm	≥ 240
	CD			≥ 420
elongation at break	MD	ISO 9073 -3	%	≤ 110
	CD		%	≤ 115
water absorption capacity		ISO 9073 - 6	%	≥ 850
water storage capacity			l/kg	10
porosity			%	> 85
net size	width - length			
closed			m	0,34/1,1 (L) - 0,4/2,0 (XL)
opened (with A max.)			m	0,8/1,5 (L) - 1,6/1,75 (XL)
net area(max.)			m ²	1,2 (L) - 2,8 (XL)
net cutting length			cm	16 (L) - 20 (XL)
net opening width			cm	Ø 10 (L) - Ø (XL)13
delivery size			pcs./box (cm)	L: 90 (122x42x45)/20 (40x60x23)/6x3 (40x60x23)
			psc./box (cm)	XL: 45 (122x42x45), 8 (40x60x23), 4 x 2 (40x60x23)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

LITE-NET TREE Bio5 L + XL + Irrigation bag

Pre-assembled vegetation and distribution net for new tree plantings, for wrapping root balls and/or for horizontal placement beneath the root ball.

DESCRIPTION

Basic fleece LITE-NET TREE: needlepunch 30% VIS flat (FL), 70% PLA, color white, 100% biodegradable (approx. 5-10 years)



TYPE
needlepunch

COMPOSITION
30% cellulose, 70% PLA

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		ISO 9073-1	g/m ²	500
thickness			mm	5,7
tensile strength	MD	ISO 9073-2	N/5 cm	≥ 240
	CD			≥ 420
elongation at break	MD	ISO 9073 -3	%	≤ 110
	CD		%	≤ 115
water absorption capacity		ISO 9073 - 6	%	≥ 850
water storage capacity			l/kg	10
porosity			%	> 85
net size	width - length			
closed			m	0,34/1,1 (L) - 0,4/2,0 (XL)
opened (with A max.)			m	0,8/1,5 (L) - 1,6/1,75 (XL)
net area(max.)			m ²	1,2 (L) - 2,8 (XL)
net cutting length			cm	16 (L) - 20 (XL)
net opening width			cm	Ø 10 (L) - Ø (XL)13

Irrigation bag (IB) data: Material: 400 g/m² green PVC with mesh, 3.8 cm wide black carrying handles, black zipper.

Size: 20 gallons. Technology: heat-welded and sewn. The water filling opening is located at the top. Two water outlet openings are located at the bottom. The irrigation time is approximately 5 to 9 hours.

delivery size	pcs./box (cm)	30 IB + 30 LITE-NET TREE L (60x60x40)
	psc./box (cm)	30 IB (52x26x33) + je 30 LITE-NET TREE L + XL (122x42x45)

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DATA SHEET

LITE-NET TREE PP L +XL

Pre-assembled vegetation and distribution net for new tree plantings, for wrapping root balls and/or for horizontal placement beneath the root ball.

DESCRIPTION

Basic fleece: needlepunch 100% Polypropylene, color grey, durable



TYPE

needlepunch

COMPOSITION

100% polypropylene, UV stabilized, continuous filament

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		EN ISO 9864	g/m ²	600
thickness			mm	5
tensile strength	MD	EN ISO 10319	kN/m	40
	CD			40
elongation at break	MD	EN ISO 10319	%	95
	CD		%	78
water absorption capacity			l/m ²	4,4
water storage capacity			l/kg	8
porosity			%	> 85
net size	width - length			
closed			m	0,34/1,1 (L) - 0,4/2,0 (XL)
opened (with A max.)			m	0,8/1,5 (L) - 1,6/1,75 (XL)
net area(max.)			m ²	1,2 (L) - 2,8 (XL)
net cutting length			cm	16 (L) - 20 (XL)
net opening width			cm	Ø 10 (L) - Ø (XL)13
delivery size			pcs./box (cm)	L: 90 (122x42x45)/20 (40x60x23)/6x3 (40x60x23)
			psc./box (cm)	XL: 45 (122x42x45), 8 (40x60x23), 4 x 2 (40x60x23)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET



LITE-NET slope Bio1

Subsurface water storage and erosion control as a vegetation aid in net form.

DESCRIPTION

Basic fleece: needlepunch 100% VIS flat (FL) , color Brown, 100% biodegradable (1-2 years)



TYPE
needlepunch

COMPOSITION
100% cellulose

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		DIN EN 29073-1 / ISO 9073-1	g/m ²	330
thickness		DIN EN 29073-2 / ISO 9073-2	mm	3,9
tensile strength	MD	DIN EN 29073-3 / ISO 9073-3	N/5 cm	> 140
	CD			> 110
elongation at break	MD	DIN EN 29073-3 / ISO 9073-3	%	< 74
	CD		%	< 88
water absorption capacity				> 900
water storage capacity		ISO 9073-6	l/kg	10
porosity			%	> 85
net size	width - length			
closed			m	0,8/1,2 - 20
opened (with A max.)			m	3,5/5,2 - 14,3
net area(max.)			m ²	50/75
net cutting length			cm	14
net opening width			cm	Ø 9
delivery size		Roll in Box in cm		82x34x36 (50m2)
		Roll in Box in cm		124x38x38 (75 m2)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET



LITE-NET slope Bio1

Subsurface water storage and erosion control as a vegetation aid in net form.



DESCRIPTION

Basic fleece: needlepunch 100% VIS flat (FL), color brown, 100% biodegradable (1-2 years)

TYPE

needlepunch

COMPOSITION

100% cellulose

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		DIN EN 29073-1 / ISO 9073-1	g/m ²	600
thickness		DIN EN 29073-2 / ISO 9073-2	mm	6,15
tensile strength	MD	DIN EN 29073-3 / ISO 9073-3	N/5 cm	> 200
	CD			> 190
elongation at break	MD	DIN EN 29073-3 / ISO 9073-3	%	< 65
	CD		%	< 75
water absorption capacity		ISO 9073-6		> 800
water storage capacity			l/kg	9,5
porosity			%	> 85
net size	width - length		m	0,8/1,2 - 20
closed			m	3,5/5,2 - 14,3
opened (with A max.)			m	
net area(max.)			m ²	50/75
net cutting length			cm	14
net opening width			cm	Ø 9
delivery size		roll in box in cm		82x34x36 (50m2)
		roll in box in cm		124x38x38 (75 m2)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

LITE-NET slope Bio5

Subsurface water storage and erosion control as a vegetation aid in net form.

DESCRIPTION

**Basic fleece: needlepunch 30% VIS flat (FL), 70% PLA,
color white,
100% biodegradable (approx. 5–10 years)**



TYPE

needlepunch

COMPOSITION

30% cellulose, 70% PLA

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		ISO 9073-1	g/m ²	500
thickness			mm	5,7
tensile strength	MD	ISO 9073-2	N/5 cm	≥ 240
	CD			≥ 420
elongation at break	MD	ISO 9073 -3	%	≤ 110
	CD		%	≤ 115
water absorption capacity		ISO 9073 - 6	%	≥ 850
water storage capacity			l/kg	10
porosity			%	> 85
net size	width - length			
closed			m	0,8/1,2 - 20
opened (with A max.)			m	3,5/5,2 -14,3
net area(max.)			m ²	50/75
net cutting length			cm	14
net opening width			cm	Ø 9
delivery size		roll in box in cm		82x34x36 (50m2)
		roll in box in cm		124x38x38 (75 m2)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

LITE-NET standard roll Bio1

Water storage fleece in net form used as a greening aid, installed underground to guide, distribute, and temporarily store water and air in the root zone.

DESCRIPTION

**Basic fleece: needlepunch 100% VIS flat (FL),
color Brown, 100% biodegradable (1-2 years)**



TYPE
needlepunch

COMPOSITION
100% cellulose

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		DIN EN 29073-1 / ISO 9073-1	g/m ²	600
thickness		DIN EN 29073-2 / ISO 9073-2	mm	6,15
tensile strength	MD	DIN EN 29073-3 / ISO 9073-3	N/5 cm	> 200
	CD			> 190
elongation at break	MD	DIN EN 29073-3 / ISO 9073-3	%	< 65
	CD		%	< 75
water absorption capacity		ISO 9073-6		800
water storage capacity		ISO 9073-6	l/kg	9,5
porosity			%	> 85
net size	width - length			
closed			m	0,4 - 20
opened (with A max.)			m	1,75 - 16,3
net area(max.)			m ²	28
net cutting length			cm	20
net opening width			cm	Ø 13
delivery size		number of roll(s) (box cm)		1 (40x40x40)
		number of roll(s) (box cm)		3 (124x38x38)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

LITE-NET standard roll Bio5

Water storage fleece in net form used as a greening aid, installed underground to guide, distribute, and temporarily store water and air in the root zone.



DESCRIPTION
Basic fleece: needlepunch 30% VIS flat (FL), 70% PLA, color white, 100% biodegradable (approx. 5–10 years)

TYPE
needlepunch

COMPOSITION
30% cellulose, 70% PLA

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		ISO 9073-1	g/m ²	500
thickness			mm	5,7
tensile strength	MD	ISO 9073-2	N/5 cm	≥ 240
	CD			≥ 420
elongation at break	MD	ISO 9073 -3	%	≤ 110
	CD		%	≤ 115
water absorption capacity		ISO 9073 - 6	%	≥ 850
water storage capacity			l/kg	10
porosity			%	> 85
net size	width - length			
closed			m	0,4/0,8/1,2 - 20
opened (with A max.)			m	1,75/3,5/5,2 - 16,3
net area(max.)			m ²	28/57/85
net cutting length			cm	20
net opening width			cm	Ø 13
delivery size		number of roll(s) (box cm)	1/28 (40x40x40) - 3/28 (124x38x38) - 57 (84x38x28) - 85 (124x38x38)	

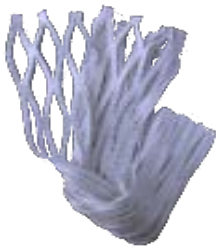
Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET



LITE-NET standard roll PP

Water storage fleece in net form used as a greening aid, installed underground to guide, distribute, and temporarily store water and air in the root zone.



DESCRIPTION
Basic fleece: needlepunch 100% Polypropylene, grey color, durable

TYPE
needlepunch

COMPOSITION
100% polypropylene, UV stabilized, continuous filament

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		[EN ISO 9864	g/m ²	600
thickness			mm	5
tensile strength	MD	EN ISO 10319	kN/m	40
	CD			40
elongation at break	MD	EN ISO 10319	%	95
	CD		%	78
water absorption capacity		EN ISO 12956	mm	0,08
water storage capacity			l/kg	8
porosity			%	> 85
net size	width - length			
closed			m	0,4/0,8/1,2m - 20/65 (bei 1,2)
opened (with A max.)			m	1,75/3,5/5,2 - 16,3/52,9 (bei 5,2)
net area(max.)			m ²	28/57/85 /275
net cutting length			cm	20
net opening width			cm	Ø 13
delivery size		number of roll(s) (box cm)	1/28 (40x40x40) - 3/28 (124x38x38) - 57 (84x38x28) - 85 (124x38x38)	
		number of roll(s) (box cm)	6 x 275: 0,8x100 (125x125x195)	

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

BLUELITE-NET SYSTEM (with drip line)

For water-saving subsurface irrigation of lawns, sports fields, golf courses, green roofs, slopes, etc.
Consisting of:

1. LITE-NET net
2. BLUELITE-TUBE nonwoven covering with drip line, which is laid in a serpentine or linear pattern at root depth on the LITE-NET at intervals of 50-60 cm.



DESCRIPTION

Basic fleece for LITE-NET and nonwoven covering: needle-punched fleece, 100% polypropylene, color gray, durable, with drip line.

TYPE	COMPOSITION
needlepunch drip line	100% polypropylene, UV stabilized, continuous filament 3 variants

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		EN ISO 9864	g/m ²	600 (Net)/360 (nonwoven covering)
thickness			mm	5 (Net)/3,3 (nonwoven covering)
tensile strength	MD	EN ISO 10319	kN/m	40 (Net)/ 26 (nonwoven covering)
	CD			40 (Net)/ 26 (nonwoven covering)
elongation at break	MD	EN ISO 10319	%	95 (Net)/ 55 (nonwoven covering)
	CD		%	78 (Net)/ 55 (nonwoven covering)
water absorption capacity		EN ISO 12956	mm	0,08 (Net)/ 0,09 (nonwoven covering)
water storage capacity			l/kg	8 (Net)/ 8 (nonwoven covering)
porosity			%	> 85 (Net)/ > 85 (nonwoven covering)
net size closed opened (with A max.)	width - length		m	0,4/0,8/1,2m - 20/65(at 1,2)
			m	1,75/3,5/5,2 - 16,3/52,9 (at 5,2)
net area(max.)			m ²	28/57/85 /275
net cutting length			cm	20
net opening width			cm	Ø 13
nonwoven covering size	width - length		m	0,06 - 100 (BLUELITE-NET)
Drip line in 3 variants:				
A. Rivulus D5000 PCAS	tube 16 mm (13.8 / 15.83 mm), black, pressure 0.5–3.5 bar, wall thickness 40 mil (1.02 mm), flow rate 1.5 l/h, dripper spacing 30 cm, 100 m length			
B. Rainbird XFD	tube 16 mm (13.6 / 16.1 mm), brown, pressure 0.58–4.14 bar, flow rate 2.3 l/h, dripper spacing 33 cm, 100 m length			
C. Rainbird XFS	tube 16 mm (13.6 / 16.1 mm), copper, pressure 0.58–4.14 bar, flow rate 2.3 l/h, dripper spacing 33 cm, 100 m length			
delivery size BLUELITE-NET SYSTEM			m ² (Box cm) m ² (Pallets)	55 (60x60x82) - 85 (124x38x38 + 60x60x70 + 60x60x42) 1200 (4 Pallets)
delivery size BLUELITE-NET COMPONENTS			m ² (Box cm) m ² (Pallets)	55 (60x60x82) - 85 (124x38x38 + 60x60x70 + 60x60x42) 1200 (4 Pallets)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

BLUELITE-NET SYSTEM (without drip line)

For water-saving subsurface irrigation of lawns, sports fields, golf courses, green roofs, slopes, etc.

Consisting of:

1. LITE-NET Net

2. BLUELITE-COVER nonwoven covering for drip irrigation pipes

DESCRIPTION

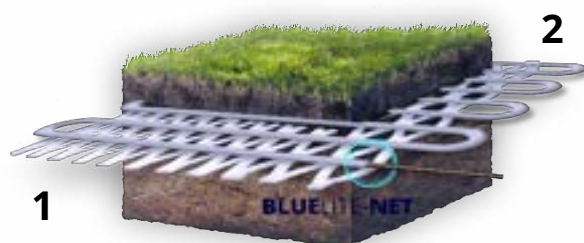
**Basic fleece for LITE-NET and nonwoven covering:
needle-punched fleece, 100% polypropylene, color gray, durable.**

TYPE

needlepunch

COMPOSITION

100% polypropylene, UV stabilized, continuous filament



PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		EN ISO 9864	g/m ²	600 (Net)/360 (protective sheath)
thickness			mm	5 (Net)/3,3 (protective sheath)
tensile strength	MD	EN ISO 10319	kN/m	40 (Net)/ 26 (protective sheath)
	CD			40 (Net)/ 26 (protective sheath)
elongation at break	MD	EN ISO 10319	%	95 (Net)/ 55 (protective sheath)
	CD		%	78 (Net)/ 55 (protective sheath)
water absorption capacity		EN ISO 12956	mm	0,08 (Net)/ 0,09 (protective sheath)
water storage capacity			l/kg	8 (Net)/ 8 (protective sheath)
porosity			%	> 85 (Net)/ > 85 (protective sheath)
net size	width - length			
closed			m	0,4/0,8/1,2m - 20/65(at 1,2)
opened (with A max.)			m	1,75/3,5/5,2 - 16,3/52,9 (at 5,2)
net area(max.)			m ²	28/57/85 /275
net cutting length			cm	20
net opening width			cm	Ø 13
nonwoven covering size	width - length		m	approx. 0,06 - 25
delivery size LITE-NET		number of roll(s) (box cm)	1/28 (40x40x40) - 3/28 (124x38x38) - 57 (84x38x28) - 85 (124x38x38)	
		number of roll(s) (box cm)	6 x 275: 0,8x100 (125x125x195)	
delivery size BLUE-LITE COVER		number of pieces (box cm)	16 (122x42x45)	

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DATA SHEET

LITE-ROOTPROTECT Bio1 root bandage or root curtain M/L/XL

Biodegradable full-coverage fleece for construction site protection with water storage capability.

DESCRIPTION

**Basic fleece: needlepunch 100% VIS flat (FL) color Brown,
100% biodegradable (1-2 years)**



TYPE
needlepunch

COMPOSITION
100% cellulose

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		DIN EN 29073-1 / ISO 9073-1	g/m ²	330
thickness		DIN EN 29073-2 / ISO 9073-2	mm	3.9
tensile strength	MD	DIN EN 29073-3 / ISO 9073-3	N/5 cm	> 140
	CD			> 110
elongation at break	MD	DIN EN 29073-3 / ISO 9073-3	%	< 74
	CD		%	< 88
water absorption capacity				> 900
water storage capacity		ISO 9073-6	l/kg	10
porosity			%	> 85
delivery forms	MD		m	8/20/100
	CD		m	0,1/0,8/1,2
delivery size			pcs./box (cm)	root bandage: 8 (40x40x20)/16 (40x40x40)
			pcs./box (cm)	root curtain M: 0,8x20 (84x38x38)
			pcs./box (cm)	root curtain L: 0,8x20 (124x38x38)
			pcs./pallet (cm)	8 x root curtain M: 0,8x100 (120x125x175)
			pcs./pallet (cm)	6 x root curtain L: 1,2 x 100 (125x125x190)

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.

DATA SHEET

SALFIX-MAT

The filter mat for protection against road salt:



DESCRIPTION Combination mat

2 x needlepunch 100% polypropylen (durable) + ion exchange resin mix

TYPE

**Basic fleece: needlepunch
Ion exchange resin mix**

COMPOSITION

**100% polypropylene, UV stabilized, continuous filament
Full-surface needle-punched between two fleeces, granular**

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
basic fleece: weight		[EN ISO 9864	g/m^2	200
thickness			mm	2
tensile strength	MD	EN ISO 10319	kN/m	16
	CD			16
elongation at break	MD	EN ISO 10319	%	60
	CD		%	65
water absorption capacity		EN ISO 11058	mm/s	90
water storage capacity			g/m^2	3500
total weight of combination mat			g/m^2	3900
total thickness of combination mat			mm	8
size	width - length			4 m ² - each 2 x 1 m 9 m ² - each 3 x 1,5 m
delivery sizes				4 m ² - 2 pcs. each 2 x 1 m 9 m ² - 2 pcs. each 3 x 1,5 m

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LITE-CUBES Bio1

Ultra-small water retention cubes for long-term watering and aeration, suitable for incorporation into spray irrigation mixtures.

DESCRIPTION

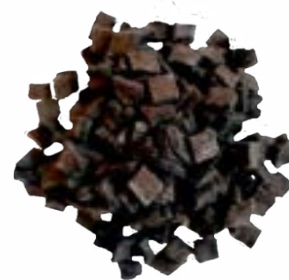
Basic fleece: needlepunch 100% VIS flat (FL), color brown, 100% biodegradable (1-2 years)

TYPE

needlepunch

COMPOSITION

100% cellulose



PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		DIN EN 29073-1 / ISO 9073-1	g/m ²	600
thickness		DIN EN 29073-2 / ISO 9073-2	mm	6.15
tensile strength	MD	DIN EN 29073-3 / ISO 9073-3	N/5 cm	> 200
	CD			> 190
elongation at break	MD	DIN EN 29073-3 / ISO 9073-3	%	< 65
	CD		%	< 75
water absorption capacity		ISO 9073-6	%	800
water storage capacity			l/kg	bis ca. 10
porosity			%	> 85
size	width -length - thickness		mm	12 x 12 x 6
delivery sizes			m ³ (kg), l	1 (approx. 50), 250

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DATA SHEET

LITE-CUBES Bio5

Ultra-small water retention cubes for long-term watering and aeration, suitable for incorporation into spray irrigation mixtures.

DESCRIPTION

Basic fleece: needlepunch 30% VIS flat (FL), 70% PLA, color white, 100% biodegradable (approx. 5–10 years)

TYPE

needlepunch

COMPOSITION

30% cellulose, 70% PLA

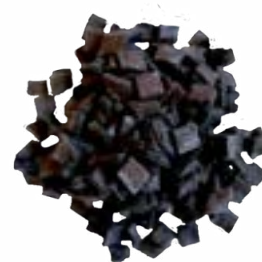


PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		ISO 9073-1	g/m ²	500
thickness			mm	5,7
tensile strength	MD	ISO 9073-2	N/5 cm	≥ 240
	CD			≥ 420
elongation at break	MD	ISO 9073 -3	%	≤ 110
	CD		%	≤ 115
water absorption capacity		ISO 9073 - 6	%	≥ 850
water storage capacity			l/kg	10
porosity			%	> 85
size	width -length - thickness		mm	12 x 12 x 6
delivery sizes			m ³ (kg), l	1 (approx. 50), 250

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LITE-CUBES PP

Ultra-small water retention cubes for long-term watering and aeration, suitable for incorporation into spray irrigation mixtures.



DESCRIPTION

Basic fleece: needlepunch 100% Polypropylene, grey color, durable

TYPE

needlepunch

COMPOSITION

100% polypropylene, UV stabilized, continuous filament

PROPERTIES	DIRECTION	TEST METHOD	UNIT	VALUES
weight		EN ISO 9864	g/m ²	600
thickness			mm	5
tensile strength	MD	EN ISO 10319	kN/m	40
	CD			40
elongation at break	MD	EN ISO 10319	%	95
	CD		%	78
opening width		EN ISO 12956	mm	0,08
water storage capacity			l/kg	8
porosity			%	> 85
size	width -length - thickness		mm	12 x 12 x 6
delivery size			m ³ (kg), l	1 (approx. 50), 250

Disclaimer: The data are based on the determination and measurements of virgin fabrics and are subject to usual tolerances +/- 10%. This information does not express or imply any guarantee and the right is reserved to make any alterations without notice.