

Technical Data Sheet

TEXEL GVG COCO & STRAW BIO

Product	Natural fibers erosion control mat
Composition	Coconut and/or straw fibers with jute net
Main Function	Protection

Property	Test Method	STRAW 1F BIO	STRAW 2F BIO	STRAW-COCO 2F	COCO 2F BIO
Physical					
Fibers	-	Straw		70% straw and 30%	Coco
Surface weight ($\pm 10\%$)	ASTM D6475	0.289 kg/m ²	0.27 kg/m ²	0.32 kg/m ²	0.31 kg/m ²
Thickness	ASTM D6525	7.37 mm	6.78 mm	8.41 mm	7.47 mm
Biodegradable net opening	-	25.4 mm x 12.7 mm			
Light penetration	ASTM D6567	25.1%	24%	17.7%	19.4%
Germination improvement	ASTM D7322/ ECTC 4	154%	417%	384%	496%
Mechanical					
Tensile Strength (MD x CD)	ASTM D6818	1.80 kN/m x 1.35 kN/m	2.22 kN/m x 3.12 kN/m	2.73 kN/m x 2.12 kN/m	5.22 kN/m x 2.48 kN/m
Max Elongation (MD x CD)	ASTM D6818	12.8 x 15.0%	16.6 x 11.7%	9% x 13.3%	3.2% x 4.3%
Shear resistance	-	74 Pa	84 Pa	96 Pa	108 Pa
Hydraulic					
Water absorption	ASTM D1117/ ECTC	398%	371%	385%	334%
Max velocity	-	1.4 m/s	2.1 m/s	2.6 m/s	2.7 m/s
Dimensions					
Width	-	2.4 m			
Length	-	34.3 m			

This technical information was provided by the manufacturer and transcribed by Texel.

Properties are based on typical values.

All these products are 100% certified free of seeds or other materials that may introduce new species of native plants.

The values listed are values obtained at the time of manufacture. Handling and storage conditions may change some properties.

Revision : 2026-05-25

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