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iggmat mulch-fleece

PLA 150

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DETAILS

DESCRIPTION

iGGmat mulch-fleece consists of 100 % poly lactic acid fibers (pla). It is a brown, mechanically produced needle-fleece with a one-sided calendaring. The raw material (pla) is a 100 % renewable resource, which is also 100 % biodegradable.

USE

iGGmat mulch-fleeces are placed with light soil contact all over the target area. Neighboring pieces of the mulch-fleece should interleave about 10-20 cm. The endings should be placed contrary to the main wind direction and should be embedded in the earth. To secure the fleece, we recommend the use of two iGGfix wirebrackets (DBU 230 oder 150) per square meter.

SPECIFICATION

mechanical property	standard	average	tolerance
weight g/m ²	EN 965	150 g	+/- 8 %
thickness mm	---	0.90 mm	+/- 0.3 mm
tensile strenght MD	EN ISO 10319	1.65 kN/m	+/- 0.5 kN/m
elongation MD	EN ISO 10319	50 %	+/- 10 %
tensile strenght CMD	EN ISO 10319	3.10 kN/m	+/- 0.5 kN/m
elongation CMD	EN ISO 10319	50 %	+/- 10 %

polymeric properties	average
biodegradability (half life MW, 20°C - 70 % RF)	1,000 days
fossil energy consumption (pla korn)	34 MJ/kg
CO ₂ emission (pla korn)	0 kg CO ₂ /kg pla
hydraulic permeability	+/- 35 liter/m ² sec

DIMENSIONS

		tolerance
roll length	100 m	+/- 3 %
roll width	2 m	+/- 1 %
tube diameter inside	120 mm	---

TENDER SPECIFICATION www.igg.de/en/specifications