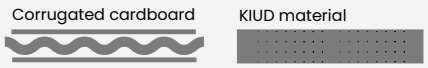
KIUD TECHNOLOGIES

kiud.io

NOVEL PACKAGING MATERIAL

from textile waste

Sustainable rigid packaging material from recycled textile waste.
KIUD **CO2 footprint is over 80% smaller** compared to conventional cardboard method.



Corresponds to E-flute

TECHNICAL DATA

Composition *Post- and pre-consumer fibers*	PL; PP; CO
Thickness *PN-EN ISO 534:2012*	1.80 mm
Tensile strength *PN-EN ISO 1924-2:2010*	303 N
Bursting strength *PN-EN ISO 2759:2014-09*	4240 kPa
Tear resistance *PN-EN ISO 1974:2012*	Does not tear
Box compression *PN-EN ISO 12048:2002*	1175 N
Puncture resistance *PN:92/P-50140*	37.90 J
Bending stiffness *ISO 5629:1983*	1.30 mNm

AVAILABLE THICKNESSES & WEIGHTS

≈1.80 mm	800 g/m2	Sheet 1250 x 2800 mm
≈3.00 mm	1200 g/m2	Sheet 1250 x 2800 mm
≈4.00 mm	1600 g/m2	Sheet 1250 x 2800 mm
≈5.00 mm	2000 g/m2	Sheet 1250 x 2800 mm

MANUFACTURING

Die cutting | Laser cutting | Flexo printing | Screen printing

Tests conducted by Lukasiewicz Research Network - Lodz Institute of Technology (April, 2024)

PATENTED TECHNOLOGY

Produced with **0% chemicals** and **water**

-82%	-89%	-86%
kg CO2 eq.	m3	m2a crop eq.
Global warming	**Water use**	**Land use**

**KIUD material LCA compared to cardboard method*

amazon sustainability accelerator · WOMEN TechEU · tocco Future materials 2024 · matériO' L'inspiration par la matière · Deloitte. · Global Recycled Standard · ISO 9001:2015 · ISTA 6 compliance · REACH