

gophon Eco-PET

Product Specification

Description:

This product is made of polyester and bi-component fiber. The main function is sound absorption, and the product's rigidity often adds to the functionality. The product has hydrophobic qualities and a long lifespan and is moldable and self-supporting. The product is made from approx. 50% recycled PET-bottles.

The sound absorption is dependent on the product density and thickness. The method of product installation will also affect the result. Through lamination and molding, the acoustic performance can be adjusted and optimized. It can also be customized with adhesives, nonwovens or textiles.

The color of the product is white (can contain small fragments of colored fiber) but can be produced in black or grey if large volumes are ordered.

Name

gophon Eco-PET 40 mm vit 2600 gr 2700x1200 mm

gophon Eco-PET 25 mm vit 2100 gr 2700x1200 mm

gophon Eco-PET Canvas 40 mm vit 2600 gr 2700x1200 mm

gophon Eco-PET Canvas 25 mm vit 2100 gr 2700x1200 mm

Technical Specification:

	Min	Max
Thickness (mm)	5	100
Density (kg/m ³)	10	80
Weight (g/m ²)	100	3000

Flammability approved according to:

- ✓ EN13501-1, B-s1, d 0
- ✓ Self-extinguishing before the first measuring point according to FMVSS 302

Health & environmental aspects:

gophone Eco-PET has been used for furniture industry without reported health aspects. The material is not known to create skin irritations, allergy or irritations of the airways. The material is free of odours and does not emit gases or emissions of noticeable levels.

The material can be disposed to recycling or incineration, according to local law.

Sound absorption:

This is the main functional use of this material. Absorption is dependent on chosen density and thickness. Absorption tests and calculations can be supplied upon request.

Gi fZWW gophon Canvas

Made of 100% polyester, 175g/m² thickness, fabric, with semi matt surface finish. The textile is coated multiple times including specially designed coating for Latex and UV inks.

The material is extraordinary in terms:

- breathable;
- sound permeable.

End use:	Banner; structure; frame systems.
Furnish:	100% polyester.
Finish:	Semi Matt.
Ink compatibility:	Direct dye sublimation; Transfer dye sublimation; UV and Latex inks.
Flame retardant:	Yes, B1.

Technical Target Values

Properties	Test method	Units	Values
Total weight	DIN EN 12127	g/m ²	175
Max. tearing strength, longitudinal direction	DIN EN ISO 13934-1	N/5 cm	min. 250
Max. tearing strength, cross direction	DIN EN ISO 13934-1	N/5 cm	min. 950
Shrinkage	N/A (195°C, 90 sec.)	%	2,5
Max. tensile elongation, longitudinal direction	DIN EN ISO 13934-1	%	35
Max. tensile elongation, cross direction	DIN EN ISO 13934-1	%	40

Available Widths: 1550; 3100 mm.

Available cores: 3".

Available lengths of the roll: 100m.

Technical specs may change without prior notice.