GREENHOUSE GAS PROTOCOL

TTS printable textiles & transfer printing media

Environmental Footprint of Product

Quality products with a positive impact for people and planet, that is our aim. At TTS we are transparant about the sustainable performance of our media textiles by taking a life cycle approach. This overview provides insight in the environmental footprint of the **Basic Display 210 FR**.

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texo-trade.com/contact/duurzaamheid

Scope of Study

Product name	Basic Display 210 FR
Functional Unit	Printable textile media of 1 m^2
Boundary	Cradle – to – Gate
Impact Indicator	Carbon Footprint | CO_2 eq.

PRODUCT COMPOSITION

	Type	g / m2
Fabric	Polyester, PET	220
Coating	N/A	N/A
Product		**220**
Packaging	PE, PVC Kraft liner	26,8
Product + Packaging		**246,8**

Methodology

A Life Cycle Assessment (LCA) measures the environmental impacts of a product or service. The scope of this study is cradle-to-gate and includes all processes up until the textile is manufactured, packaged and available for sale at TTS.

All material and resource consumption is tracked back to the point of raw material extraction. Several processes like printing, downstream distribution, media usage and end-of-life scenarios fall outside of the scope of the LCA.

The inventory was established in collaboration with value chain partners to secure primary data where possible, supplemented with industry averages. The carbon footprint was calculated using emission factors from Ecoinvent.

Carbon Footprint of Basic Display 210 FR

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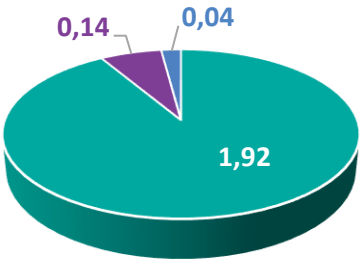
LCA results show that material inputs and resource consumption in production (e.g. gas and electricity use) represent the largest share (98%) of the footprint of a Display. Transport from China to the Netherlands is another significant contributor. Processes at TTS and suppliers are almost waste free as cutting waste and wastewater are recycled. The storage activity at TTS runs fully on solar powered renewable energy and is gas free. The product makes up 98,5% of the total carbon footprint when compared to the packaging.

CARBON FOOTPRINT (kg CO2) of Life Cycle Stages

91% of the carbon footprint occurs upstream in the stage where materials are acquired and processed into components that make up the final product.



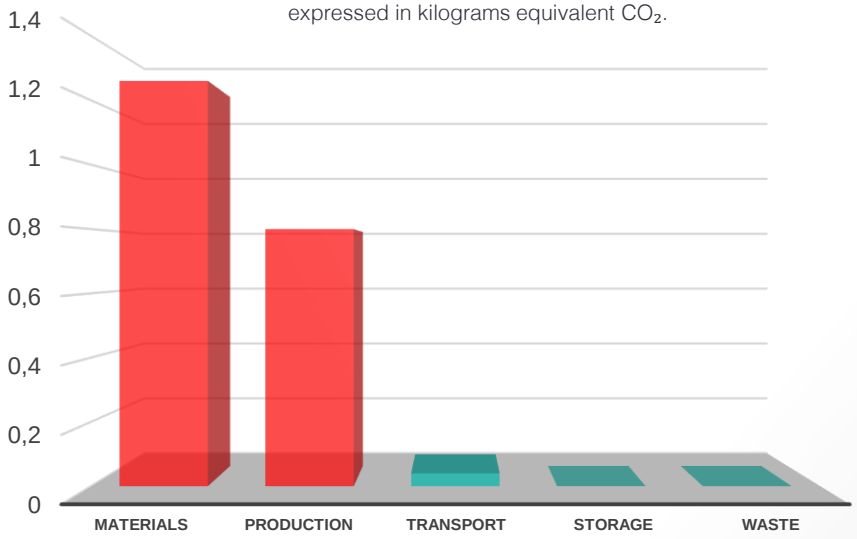
MATERIALS & PRE-PROCESSING

PRODUCTION

DISTRIBUTION & STORAGE

CARBON FOOTPRINT

Quantity of greenhouse gases, responsible for climate change, emitted on life cycle stages of the product, expressed in kilograms equivalent CO_2.



Carbon Footprint Display

2,10 kg CO_2

for 1 m2

Category	kg CO2	Description
MATERIALS	1,26	PRODUCT | PET fibre PACKAGING | kraft liner | PVC | PE | starch glue
PRODUCTION	0,80	PRODUCT | Spinning yarn, knitting and finishing textile PACKAGING | Energy for manufacturing packaging
TRANSPORT	0,04	PRODUCT & PACKAGING | Impact is mainly determined by the transport from suppliers in China to the Netherlands.
STORAGE	1,46E-04	PRODUCT & PACKAGING | Solar energy for storage at TTS
WASTE	9,85E-04	PRODUCT & PACKAGING | Limited amount of waste streams

Did you know?

That **recycled PET** provides the same textile media experience while realizing a **25% footprint reduction** compared to virgin PET?

Contact us for more information about our recycled textiles program

texo-trade.com/contact/duurzaamheid

PVC FREE

Our Basic Display 210 FR printable textile media does not contain PVC

TTS GREEN TEXTILES

Texo Trade Services BV is continuously working on providing greener textiles