

# ENVIRONMENTAL PRODUCT DECLARATION (EPD)

ACCORDING TO ISO 14025 & 15804+A2

PRODUCT: MONOLINK 2516/00

**casala**

# Environmental Product Declaration (EPD)

An Environmental Product Declaration (EPD) is a Type III environmental declaration that quantifies environmental information about the life cycle of a product. This can enable comparisons between products fulfilling the same function. The methodology to produce an EPD is based on the full product life cycle assessment (LCA), following the ISO 14040 series of standards.

## MONOLINK 2516/00

Monolink is the first plastic chair to come equipped with a system that allows for both linking and stacking, making it ideal for a wide range of occasions. Monolink is a chair that's at home in every room. You don't have to worry about clearing up however big the room is, because as quickly as Monolink can be set up, it's just as easy to put away again.

Casala's production facility has a solar park which produced 4.5t Kwh in 2023. The remaining energy needed is produced by European Wind as stated by the supplier. The production facility and almost all 3<sup>rd</sup> parties are ISO 9001 & 14001 certified.



Variant	Plastic with upholstered seat
Base	Plastic
Finish	Untreated
Technical life span	15 years
Dimensions (HxLxW)	81.5 x 56.5 x 52 cm
Weight	6.5 kg
Packaging weight	0.1 kg

## GLOBAL WARMING POTENTIAL

To quantify and compare results, we use the Global Warming Potential (GWP) expressed in kg CO<sub>2</sub>-equivalent. This is a measurement method for finding out the amount of energy required to emit 1 tonne of a gas, which is absorbed over a 100-year period. The greater the GWP, the more a particular gas warms the earth.

To comply with EN ISO 15804+A2, Casala uses the 'cradle to grave' assessment for their EPD files. The assessment covers the full life cycle of a product; from production phase to use, followed by recycling or disposal. Other EPD files often only use the 'cradle to gate' assessment, which only covers the production phase.

GWP per unit (Cradle to Grave)	33.918 kg CO <sub>2</sub> eq.
GWP per unit (Cradle to Gate)	26.232 kg CO <sub>2</sub> eq.
Average GWP for contract chairs according to the Furniture Industry Research Association (Cradle to Gate)	27.000 kg CO <sub>2</sub> eq.

## THE ASSUMED PERCENTAGE OF WASTE PROCESSING

Landfill	11.88 %
Incineration	83.79 %
Recycling	4.33 %
Re-use	0.00 %

## DOCUMENT INFORMATION

Calculation number	ReTHiNK-91275
Declaration owner	Casala
Publisher	Casala
Program operator	Casaro
LCA software	NIBE - R<THINK LCA
Status	Valid

