

Environmental Information

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Medal

D 10 x 12 x 1 cm

W 0,11 Kg

0,3 Kg
Co2

**Life Cycle Analysis
Carbon Footprint**
(IPCC 2007 GWP 100a)

29%

Materials
Iron (80-R post and pre-consumption) 0,27 Kg. Mixed Plastic (100-R post-consumption) 0,5 Kg Epoxy Paint 0,03 Kg

43%

Manufacturing
Cold Rolling 0,06 Kg
Pressing 0,05 Kg
Painting Baking
Laser Cutting (1500 W) 7s
Laser Engraving (60 W) 15s

23%

Packaging
Cardboard 0.025 kg (80-R post-consumption) Euro Pallet (0.5%)

5%

Transport
Truck 16 Tm 1000 Km
Van 3,5 Tm 150 Km
Final transport (undefined).

IMPACT REDUCTION - 50%

Avoided emissions compared to a similar medal manufactured in China from Zamak.

RECYCLED CONTENT - 86%

The use of recycled materials has been maximized. Such as 100% recycled plastic from residual packaging and iron with a content of between 50 and 75% recycled material.

NON-TOXIC

The materials used do not contain heavy metals or other hazardous substances. The paint is water-based, non-toxic during use, and suitable for food contact.

Environmental impact analysis carried out by OiKo using the ISO14040 methodology and according to the environmental inventories from the Ecoinvent 3.0 database (2013).