

Datasheet for Wood-Plastic Compounds - İYTE

WPC Products

Product Description	Wood Plastic Compounds (Products from Bulky Hard Plastic and Wood Wastes)
Physical properties	Nominal values
Water sorption	< 1%
Density	1.03 g/cm ³
Mechanical properties	Nominal values
Tensile Strength	25 Mpa
Tensile Modulus	1900 Mpa
Impact Resistance	31 J/m
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Demonstrator: furniture legs



Demonstrator: storage box



Environmental performance (LCA results) of a WPC storage box

In the analysis:

- the functional unit was 1 storage box made of the wood-plastic compound
- the collection of the mixed bulky waste was included (based on the data from IMOG)
- the fragmentation/separation of the mixed bulky waste was included (based on the data from VANHEEDE)
- the data on the production process was provided by IYTE
- for the treatment of waste coming from technological processes, the data from the SimaPro database were used
- the benefits of recycling were taken into account
- the energy mix for Europe without Switzerland was used

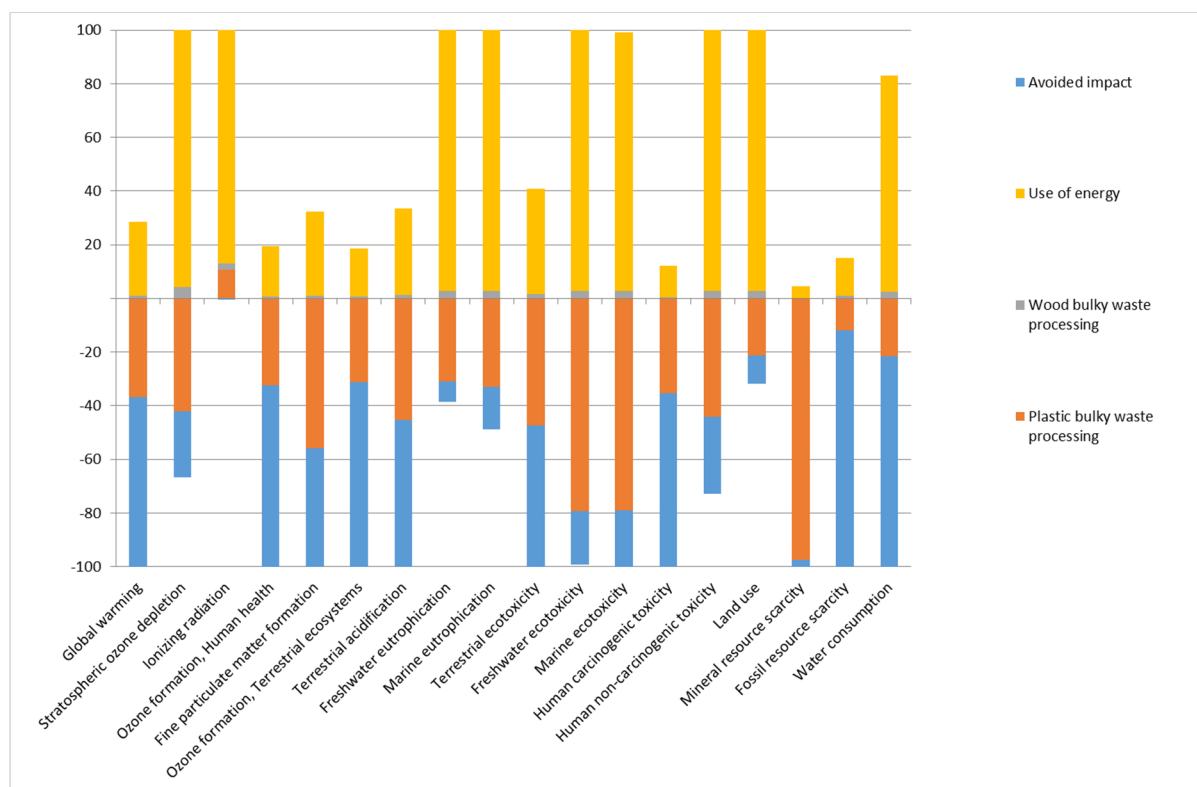


Figure. Results of LCA analysis for 1 storage box made from wood-plastic compounds (WPC)