

kg Linoleum

Linoleum is a composite material used for floor covering or underlay that is durable and shock-absorbing.

Linoleum is made from a mixture of oxidised linseed oil, gums, resin and other additives, which are applied to a felt or canvas backing. The oil is heated in kettles, oxidises and increases in viscosity. It is blended with resin to produce a plastic material that is in turn mixed with wood flour. Additives are added and the mixture is calendered into a sheet and applied to the backing. The sheets are hardened before being sent to market.

Category *Plastics*
Type *Other polymers*
Functional unit *kg*
Specific heat *1 260 J/(kg·K)*
Density *1 200 kg/m³*

Common uses
Flooring
Process name
Linoleum, average on mass basis, from EPDs

Input-output sector
Polymer Product Manufacturing

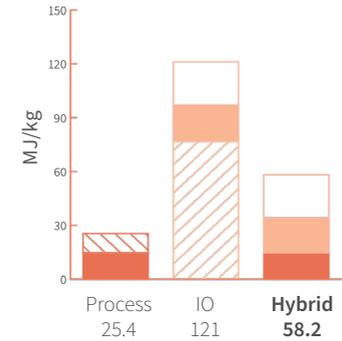
Further information
doi.org/10.26188/5da555a381ad3

Material variations

	Unit	Energy (MJ/unit)	Water (L/unit)	GHG emissions (kgCO ₂ e/unit)
Linoleum	kg	58.2	195	4.4
Linoleum sheet - 2 mm	m ²	140	469	10.6
Linoleum sheet - 2.5 mm	m ²	175	586	13.3
Linoleum sheet - 3.2 mm	m ²	223	750	17.0
Linoleum sheet - 4 mm	m ²	279	937	21.2

TOP THREE INPUTS

- 5.9% Road Transport
- 3.2% Wholesale Trade
- 1.7% Air and Space Transport

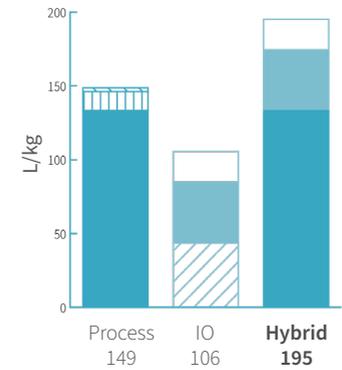


ENERGY



TOP THREE INPUTS

- 1.4% Wholesale Trade
- 0.7% Professional, Scientific and Technical Services
- 0.7% Forestry and Logging

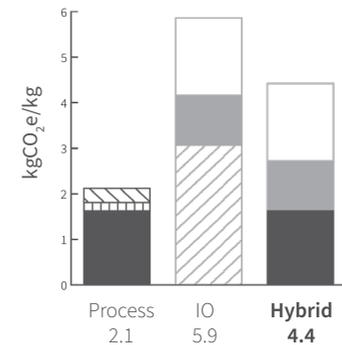


WATER



TOP THREE INPUTS

- 2.2% Road Transport
- 2.2% Oil and gas extraction
- 1.7% Wholesale Trade



GREENHOUSE GAS EMISSIONS

