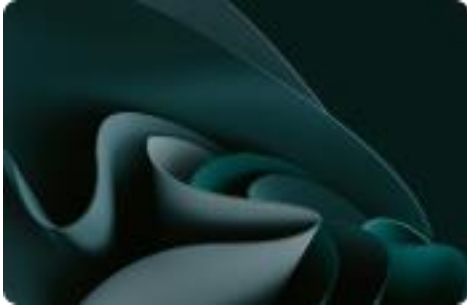


Life Cycle Analyses

MHFEET



Summary



01 | Methodology



02 | Results

01

Methodology

Environmental Impact Assessment

<p>Functional unit</p>	<p>The functional unit is a quantified performance of a product system for use as a reference unit. One of the primary purposes of a functional unit is to provide a reference to which the input and output data are normalized (in a mathematical sense). Therefore, the functional unit shall be clearly defined and measurable.</p>
<p>Impact Indicator</p>	<p>The impact is measured through the "IPCC 2021 GWP100" method</p>
<p>Electricity impact calculation method</p>	<p>Following guidelines from the GHG Protocol, the impact of electricity is calculated using the location-based approach. This means that the emission factors used represent the average annual carbon intensity of the power grid in the country the processes take place in.</p>
<p>Life Cycle Analyses</p>	<p>Cradle to grave</p>

Emission Factor Inventory

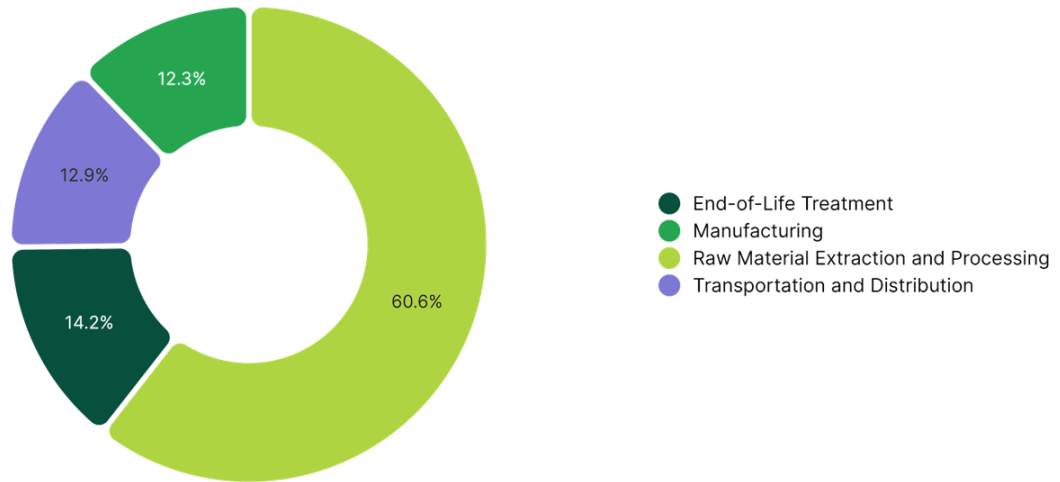
Num	Emission Factor	Source	Value	Unit
1	Ethylene vinyl acetate copolymer Ordinary transforming activity	ECOINVENT 3.10	2.867776119	kg
2	Softwood lumber 1kg unspecified	BASE EMPREINTE ADEME 3.0	0.621811	kg
3	Electricity Total (Scope 2 & 3) People's Republic of China	IEA 2023	0.7231	kWh
4	Freight Boat From CN to FR	WELOW EXPERTS 1.0	0.25227278	kg
5	Residues, MSWI, waste plastic, mixture Ordinary transforming activity	ECOINVENT 3.10	0.3620299477	kg
6	Packaging - Wood - Average end of life in the EPR scheme - Impacts	BASE CARBONE ADEME 22.0	0.269	kg

02

Results

Foot rest

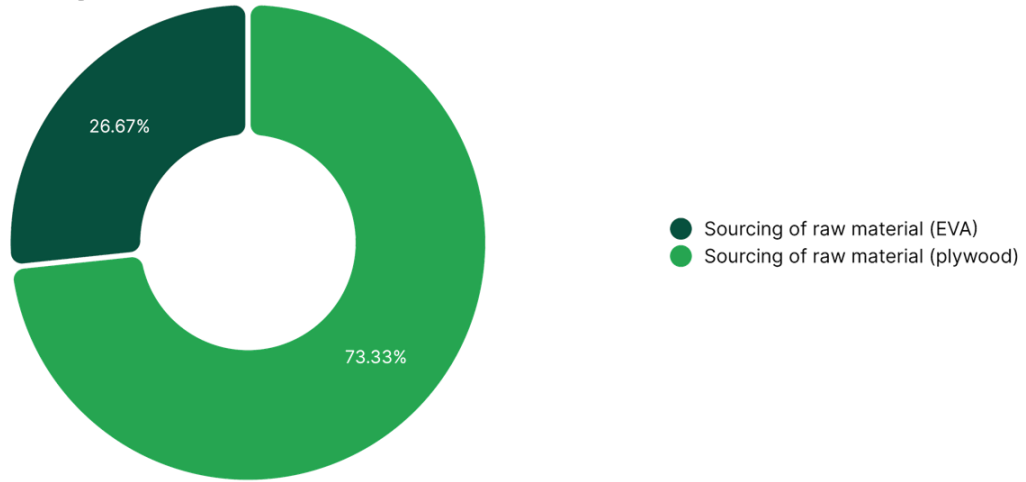
Climate Change



Step	Impact (kg CO ₂ eq)	Percentage (%)
Raw Material Extraction and Processing	2.2	60.57 %
End-of-Life Treatment	0.52	14.25 %
Transportation and Distribution	0.47	12.92 %
Manufacturing	0.45	12.27 %
TOTAL	3.63	100.00 %

Foot rest

Climate Change - Raw Material Extraction and Processing



Activity	Emission Factor Num	Quantity	Impact (kg CO ₂ eq)	Percentage (%)
Sourcing of raw material (plywood)	2	2.59	1.61	73.33 %
Sourcing of raw material (EVA)	1	0.2	0.59	26.67 %

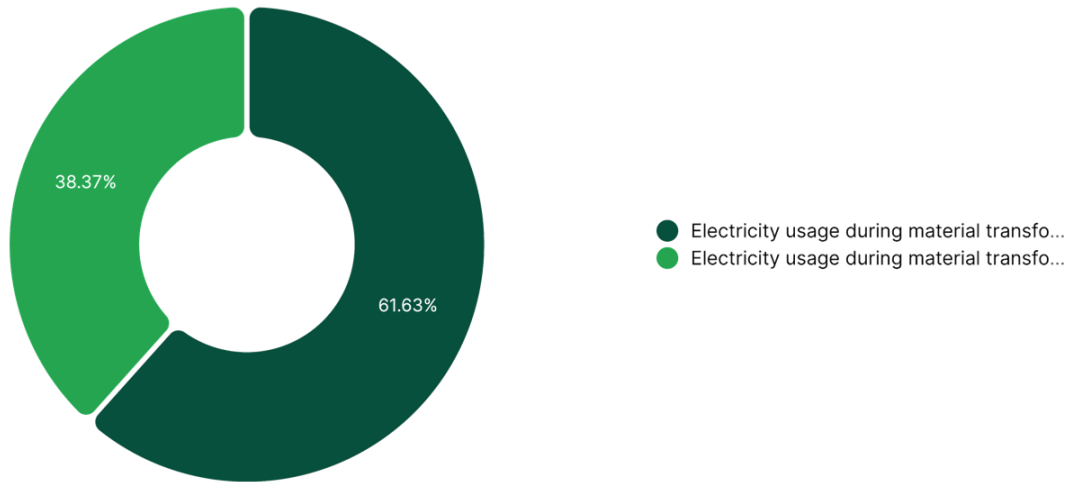
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TOTAL			2.2	100.00 %
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Foot rest

Climate Change - Manufacturing



Activity	Emission Factor Num	Quantity	Impact (g CO ₂ eq)	Percentage (%)
Electricity usage during material transformation (EVA)	3	0.38	274.6	61.63 %
Electricity usage during material transformation (plywood)	3	0.24	170.99	38.37 %

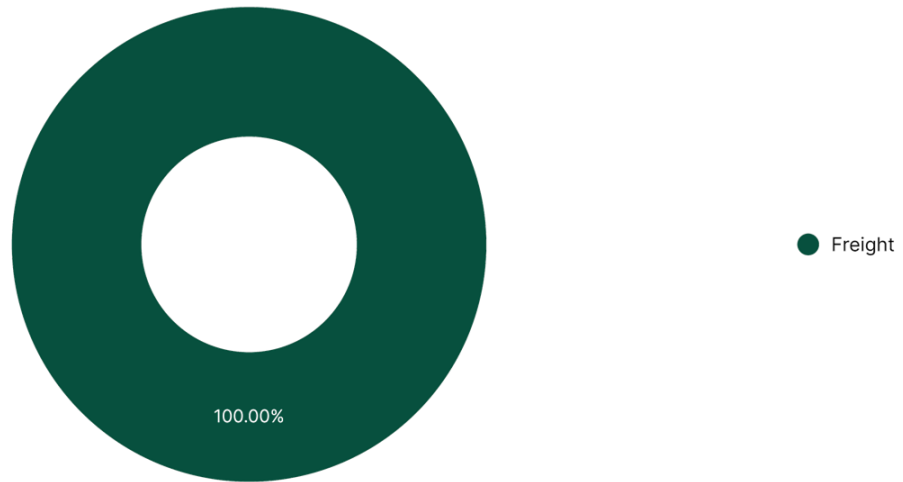
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TOTAL			445.59	100.00 %
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Foot rest

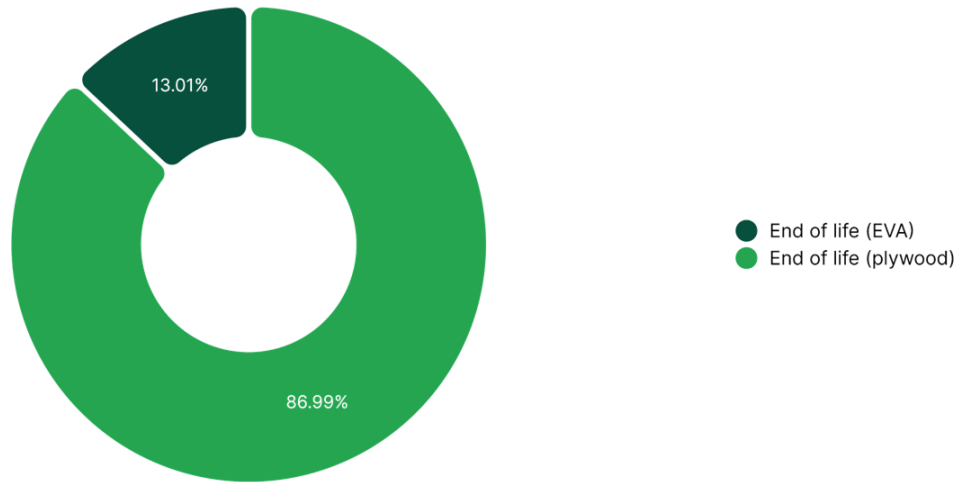
Climate Change - Transportation and Distribution



Activity	Emission Factor Num	Quantity	Impact (g CO ₂ eq)	Percentage (%)
Freight	4	1.86	469.23	100.00 %
TOTAL			469.23	100.00 %

Foot rest

Climate Change - End-of-Life Treatment



Activity	Emission Factor Num	Quantity	Impact (g CO ₂ eq)	Percentage (%)
End of life (plywood)	6	1.67	450.31	86.99 %
End of life (EVA)	5	0.19	67.34	13.01 %

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TOTAL			517.64	100.00 %
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