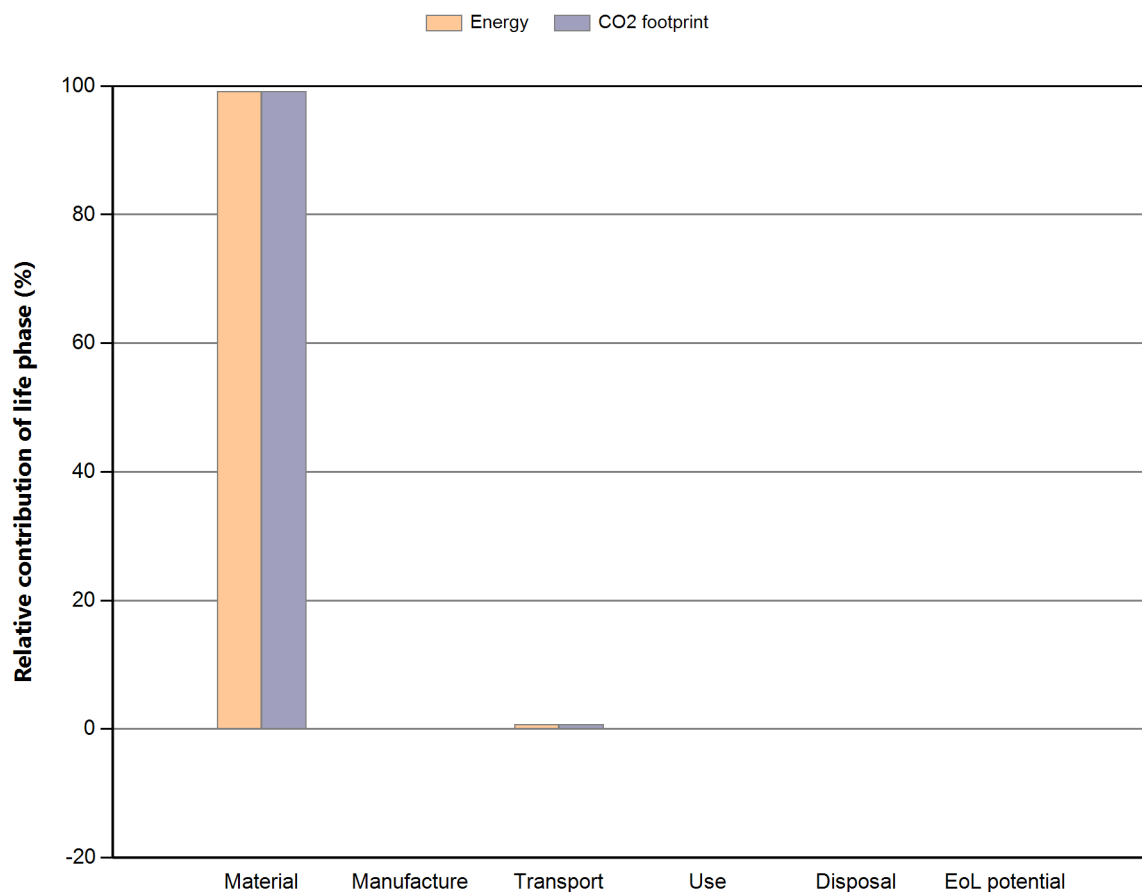


Eco Audit Report

Product name Cyanate ester/ HM carbon fiber
Country of use Europe
Product life (years) 10

Summary:



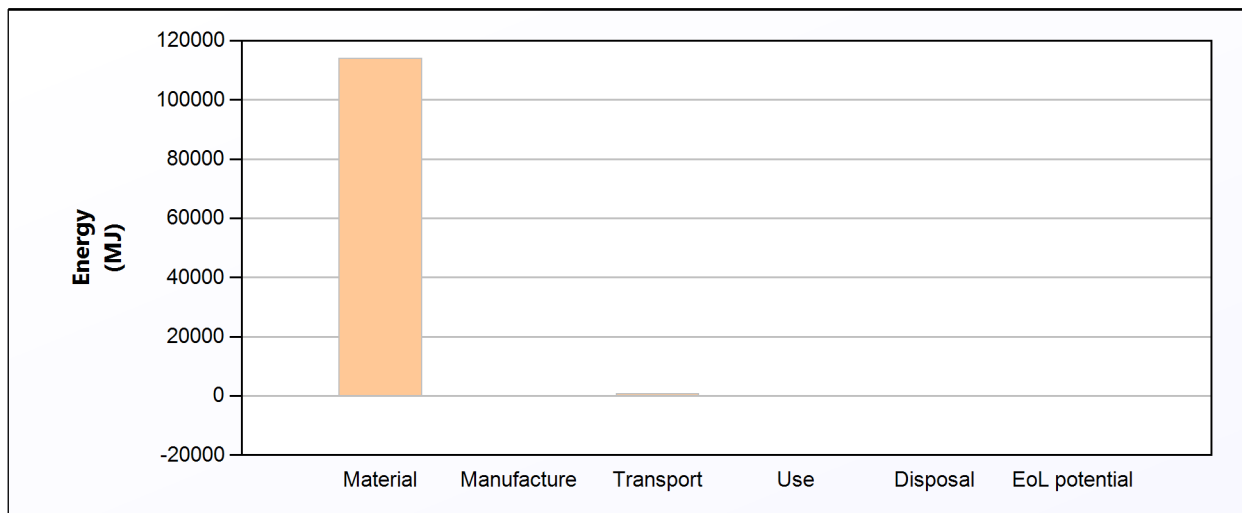
[Energy details](#)

[CO2 footprint details](#)

Phase	Energy (MJ)	Energy (%)	CO2 footprint (kg)	CO2 footprint (%)
Material	1,14e+05	99,2	7,89e+03	99,2
Manufacture	0	0,0	0	0,0
Transport	873	0,8	57,3	0,7
Use	0	0,0	0	0,0
Disposal	75	0,1	5,25	0,1
Total (for first life)	1,15e+05	100	7,95e+03	100
End of life potential	-15		-1,05	

Energy Analysis

[Summary](#)



	Energy (MJ/year)
Equivalent annual environmental burden (averaged over 10 year product life):	1,15e+04

Detailed breakdown of individual life phases

Material:

[Summary](#)

Component	Material	Recycled content* (%)	Part mass (kg)	Qty.	Total mass (kg)	Energy (MJ)	%
	Cyanate ester/HM carbon fiber, UD prepreg, UD lay-up	Virgin (0%)	0,15	1000	1,5e+02	1,1e+05	100,0
Total				1000	1,5e+02	1,1e+05	100

*Typical: Includes 'recycle fraction in current supply'

***User-defined material

Manufacture:

[Summary](#)

Component	Process	Amount processed	Energy (MJ)	%
Total				100

Transport:

[Summary](#)

Breakdown by transport stage

Stage name	Transport type	Distance (km)	Energy (MJ)	%
	Truck 16-32t, EURO 5	2e+03	8,7e+02	100,0
Total		2e+03	8,7e+02	100

Breakdown by components

Component	Mass (kg)	Energy (MJ)	%
	1,5e+02	8,7e+02	100,0
Total	1,5e+02	8,7e+02	100

Use:

[Summary](#)

Relative contribution of static and mobile modes

Mode	Energy (MJ)	%
Static	0	
Mobile	0	
Total	0	100

Disposal:

[Summary](#)

Component	End of life option	Energy (MJ)	%
	Downcycle	75	100,0
Total		75	100

EoL potential:

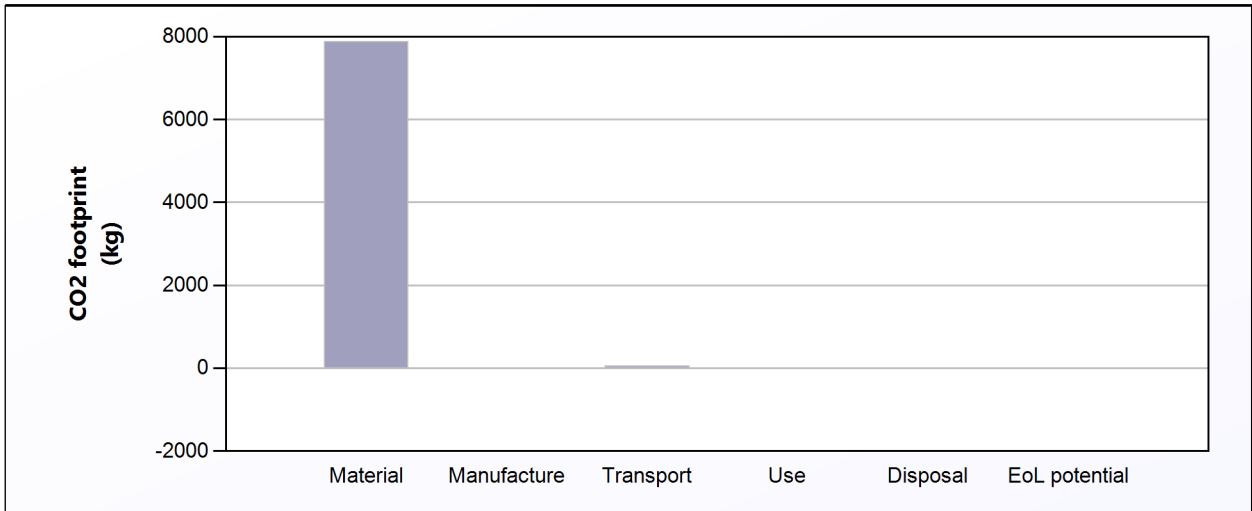
Component	End of life option	Energy (MJ)	%
	Downcycle	-15	100,0
Total		-15	100

Notes:

[Summary](#)

CO2 Footprint Analysis

[Summary](#)



	CO2 (kg/year)
Equivalent annual environmental burden (averaged over 10 year product life):	795

Detailed breakdown of individual life phases

Material:

[Summary](#)

Component	Material	Recycled content* (%)	Part mass (kg)	Qty.	Total mass (kg)	CO2 footprint (kg)	%
	Cyanate ester/HM carbon fiber, UD prepreg, UD lay-up	Virgin (0%)	0,15	1000	1,5e+02	7,9e+03	100,0
Total				1000	1,5e+02	7,9e+03	100

*Typical: Includes 'recycle fraction in current supply'

***User-defined material

Manufacture:

[Summary](#)

Component	Process	Amount processed	CO2 footprint (kg)	%
Total				100

Transport:

[Summary](#)

Breakdown by transport stage

Stage name	Transport type	Distance (km)	CO2 footprint (kg)	%
	Truck 16-32t, EURO 5	2e+03	57	100,0
Total		2e+03	57	100

Breakdown by components

Component	Mass (kg)	CO2 footprint (kg)	%
	1,5e+02	57	100,0
Total	1,5e+02	57	100

Use:

[Summary](#)

Relative contribution of static and mobile modes

Mode	CO2 footprint (kg)	%
Static	0	
Mobile	0	
Total	0	100

Disposal:

[Summary](#)

Component	End of life option	CO2 footprint (kg)	%
	Downcycle	5,3	100,0
Total		5,3	100

EoL potential:

Component	End of life option	CO2 footprint (kg)	%
	Downcycle	-1,1	100,0
Total		-1,1	100

Notes:

[Summary](#)