

SUSTAINABILITY FACTSHEET POWERTEX PWE R-PET WEBBING SLING

Product details	
Product name	Powertex PWE r-PET Webbing Sling
Product range	WLL 1t-3t, lengths 1-4 mtr for each variant

Supplier details	
Supplier name	[undisclosed]
Has the supplier signed the Axel Johnson International Code of Conduct?	Yes
Did the supplier pass the sustainability audit?	Yes
Last date of Sustainability Audit	06-12-2022
Audit score	Medium-high performance
Audit conducted by	Axel Johnson International China

Sustainability details	
What are the sustainability enhancements?	<ul style="list-style-type: none"> 100% of the polyester is exchanged from virgin polyester to recycled polyester made from used and recycled PET bottles. Plastic wraps replaced by cardboard wraps
How much better is the sustainability performance?	70% reduction in CO ₂ e from a cradle-to-gate-perspective (detailed view below).
How is the improved performance substantiated?	The research and following CO ₂ e calculations were done in 2022 in a cradle-to-gate perspective according to ISO 14067 by a 3 rd party (2050 Consulting AB, Stockholm). For recycled material, the cut-off approach was used.

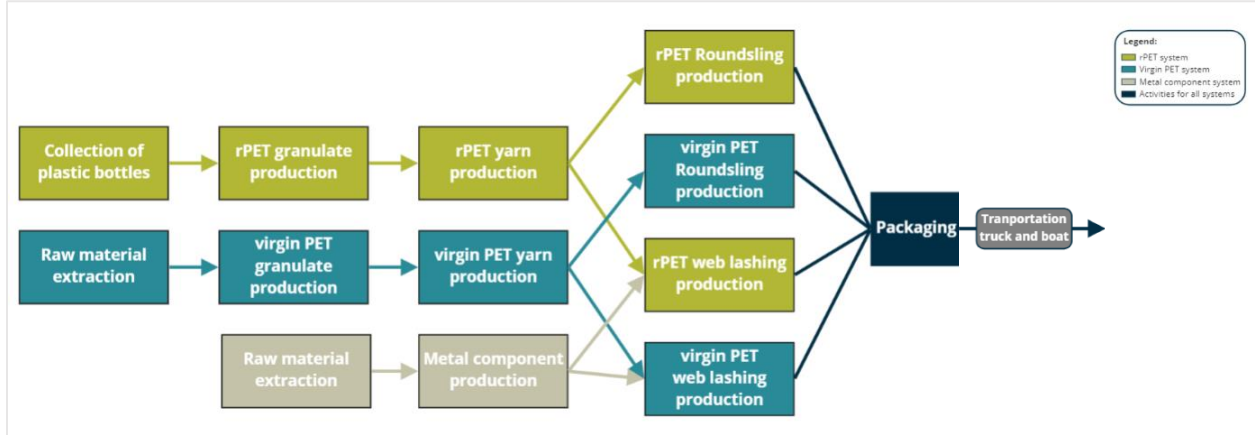
Climate Calculations Results (Total GWP in kg CO ₂ e)		
Process step	r-PET Round Sling	Virgin PET Round Sling
<i>Granulate Production</i>	0,09	1,24
<i>Yarn Production</i>	0,10	0,09
<i>Manufacturing</i>	0,08	0,08
<i>Packaging</i>	0,06	0,06
<i>Transport</i>	0,15	0,14
Total for the finished product	0,48	1,61
Total reduction (CO₂e)	70%	

Powertex, an Axel Johnson International – Lifting Solutions brand, is a leading provider of lifting, lashing, and fall protection equipment.

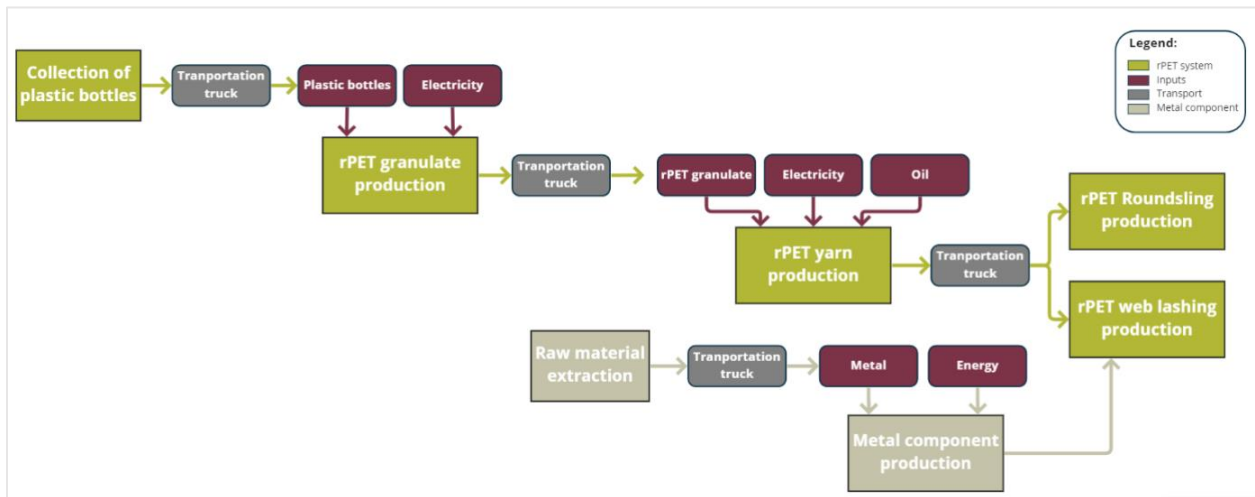
System Boundaries

The study used a cradle-to-gate perspective and considers CO₂e emissions from all activities during the lifecycle of textile slings and web lashings.

The flowchart below shows an overview of the production systems and their activities.

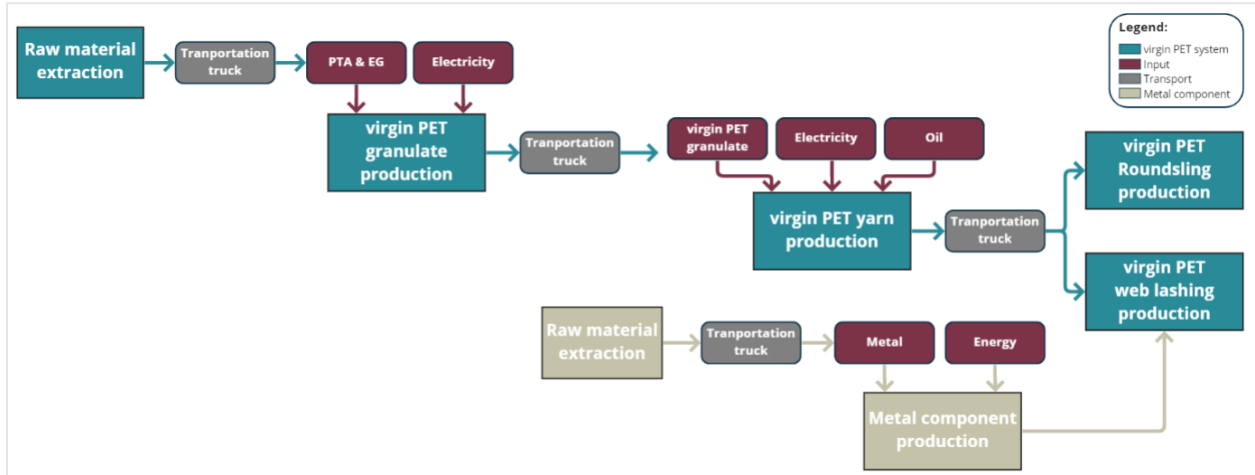


Flowchart of r-PET input materials for textile slings and web lashings

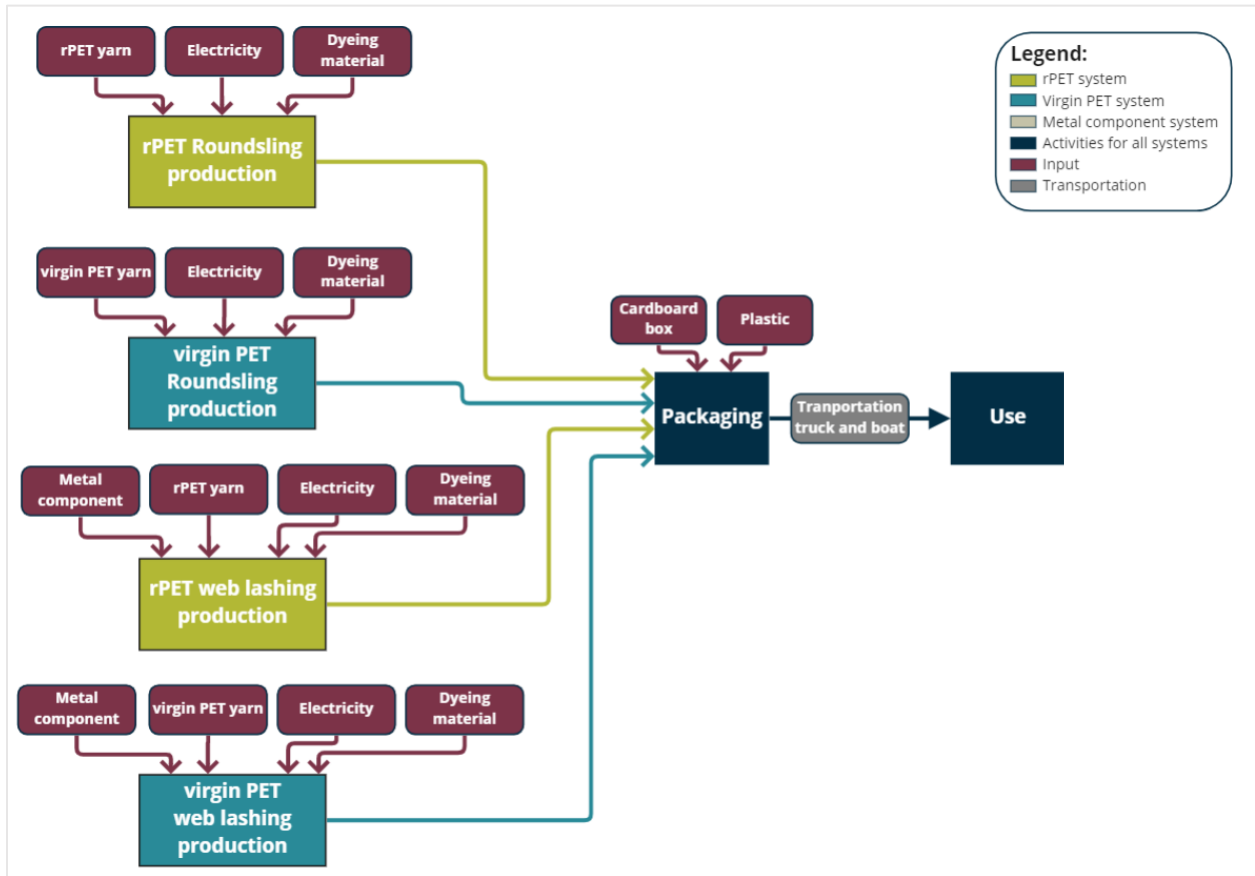


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Flowchart of virgin PET input materials for textile slings and web lashings



Flowchart of the production of textile slings and web lashings, packaging, and use.



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