



**PRODUCT: NOVALUX PC**

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According to the dossier DS-NOV-004, we declare the compatibility of our Novalux PC with ISO 14021:2016 standard and we also declare that the percentage of recycled plastic is at least 70%.

Please note that the recycled content percentage is referred only to the polymeric matrix: the percentage of prime additive (such as glass fiber, antioxidant, pigment, UV stabilizer) needed to achieve mechanical, color and processability defined properties may affect the total percentage in accordance with the following table:

Product	Recycled Content	Product Recyclability	Recycled material source
Novalux PC	at least 70%	100%	Post Industrial



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Quality Manager  
C. Carluccio

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## SELF-DECLARATION OF ENVIRONMENTAL PRODUCT QUALITY ECO LABEL

*In accordance with ISO 14021: 2016*

P	Items	Terms
	Product name	<b>Novalux PC</b>
	Physical form	Granules
	Norms compliance	REACH, ROHS, SVHC
	Self-declaration number name	
	Declaration holder	<b>Novalca S.r.l.</b>
	Brief description of the product	Novalca produces tailor-made polycarbonate compound: raw material mix is determined by customer technical request. Those features and the possible presence of fiber glass or other additives are recorded in the product's code.
	Applications scope	Automotive, Electric, Home Appliances, Manufacturing Applications
	Production Sites	Production plants: Cassano d'Adda , Pozzuolo Martesana
	Eco-project	This product has been designed and built with the aim of improving and minimizing the significant environmental aspects and impacts, compared to the 'New Prime Plastic Material' related to its life cycle, therefore from the cradle to its grave. It has also been designed to favor the end-of-life where Novalux PC is 100% recyclable.
	Assessing Method of ecological quality of the material	The evaluation of the ecological quality of our Novalux PC is based on data collected from European plastic producer associations.

	Choice of material	Raw materials are bought by suppliers to grant and demonstrate traceability and all environmental standards stated by EU. Novalca also bought by its own customers production wastes which will be used in our production as a circular economy.
	Logistic	Most of the raw materials used to make the product (when it is possible) are also chosen by evaluating the logistic for their procurement, choosing to supply themselves from companies as close as possible to the production site, and this by reducing CO2 carbon dioxide emissions.
	Packaging	Recyclable at 100%

## SELF-DECLARATION OF ENVIRONMENTAL PRODUCT QUALITY ECO LABEL

*In accordance with ISO 14021: 2016*

Assertions		Self declaration
A	Compostable	Not Applicable.
B	Degradable	Not Applicable.
C	Designed to be 100% recyclable	Designed for a long cycle life and 100% recyclable.
D	Energy reduction	Energy saved for the production of 1 Kg of Novalux PC: Saved fuel energy : from 46 (70% recycled plastic raw material) to 66.02 MJ (100% recycled plastic raw material). Saved feed stock energy: from 23 (70% recycled plastic raw material) to 33 MJ (100% recycled raw material).
E	Recycled content	Recycled plastic raw material: at least 70%.
F	Waste reduction	The calculated waste reduction is at least 70% on the plastic raw materials used. Novalca S.r.l. internal re-use: 100%.
G	Reduction of natural resources	Water saved for the production of 1 Kg of Novalux PC: from 11,4 (70% recycled plastic raw material) to 16.30 Kg (100% recycled plastic raw material).
H	Recyclable packaging	Every used packaging is recyclable.



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