

# Lottus Chair



**Ecological  
data sheet**

## Enea with the environment:

At Enea, we show our concern for the natural environment through a design and manufacturing philosophy that considers the following environmental criteria:

**Simplicity:** During the design process, we strive to minimise the number of components, achieving a perfect interrelation between them.

**Recycling and reuse:** We use recycled and recyclable materials for the manufacture of our designs, as well as a simple disassembly mechanism that facilitates the recycling and reuse of the materials.

**Use of non-hazardous materials:** We work to reduce and replace the use of materials which are hazardous or harmful to the environment.

**Health and safety of the team:** We care for the health of our staff by promoting optimum working conditions.

## Scope of this declaration

**Materials:** It includes all activities required for the extraction and processing of raw materials that are finally acquired by Enea.

**Production:** Includes manufacturing tasks to convert raw materials into Enea's final products.

**Transport:** Stage at which the final product is transported to its final destination.

**Use:** The period of effective use of the product, which does not significantly influence the environmental impact evaluated in the life cycle.

**End of life:** Those needing to dispose of a chair or table must take it to a collection point. Wood and cardboard materials are considered recyclable, whereas the rest will be managed appropriately.



## Sustainable collection

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The LOTTUS chair has been designed according to ecological criteria adapted to sustainable development. The whole life cycle, from material selection to reuse or recycling, has been analysed, assessing the possibilities for improvement from a technical, economic, and environmental point of view.

From the beginning, all processes have been subjected to a rigorous quality policy, which has led us to obtain the following certifications:

1. Quality Certification **UNE-EN ISO 9001**.
2. Ecodesign Management System Certificate **UNE-EN ISO 14006**. This sets out the requirements of an environmental management model from the design stage, and allows for the incorporation of systematic identification, monitoring, and continuous improvement.
3. Environmental Management System Certificate according to Quality Certification **UNE-EN ISO 14001**.
4. Low VOC Emissions Certificate according to **INDOOR ADVANTAGE GOLD** Quality Certification.

All these processes, controls, and selection of materials guarantee the high quality of our products in terms of strength, durability, and their final finish, and with a commitment to Sustainable Development. Our aim is to meet current needs without compromising future resources.

## Life cycle

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**1.** This phase considers the transport of materials from their place of origin, and whether they have undergone any kind of processing. For calculation purposes, this is included in the Manufacturing Phase.

**2.** This stage accounts for the processing of raw materials purchased to produce the final product.

**3.** This phase considers both the packaging required to transport the final product, and the transport of the product itself. For calculation purposes, it is divided into two stages: packaging and transport.

**4.** In the use phase, no special maintenance is required (just cleaning with soap and water). With a long life, these materials will be negligible in comparison to the other materials in the Life Cycle Analysis.

**5.** The END OF LIFE phase considers the different final destinations of the materials that make up the product.

## Lottus Chair 4L

S1007009

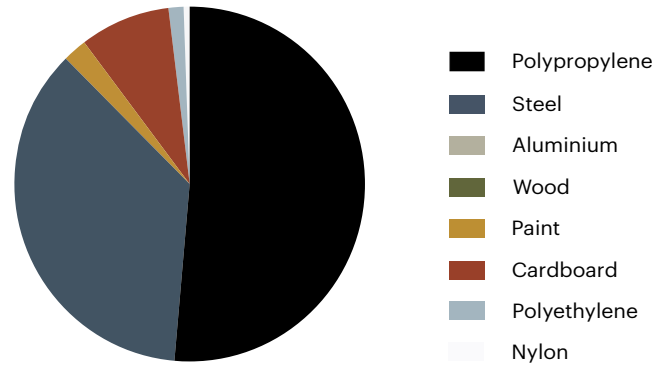
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,32	36,12
Aluminium	0	0
Paint	0,15	2,34
Cardboard	0,52	8,15
Polypropylene	3,30	51,46
Nylon	0,02	0,37
Polyethylene	0,10	1,56
Wood	0	0

Recycling  17%

Recyclability  100%



## Lottus Chair 4L with Steel Arms

S1007011

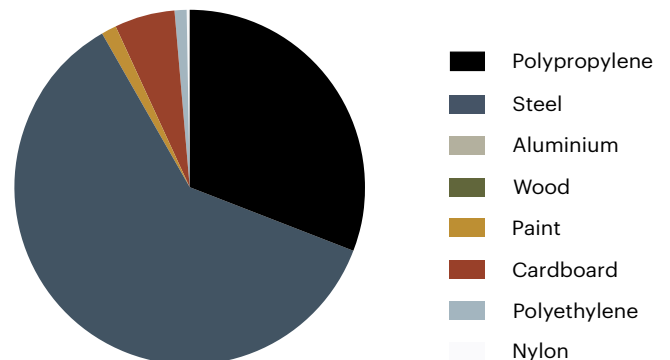
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	6,50	60,89
Aluminium	0	0
Paint	0,15	1,40
Cardboard	0,60	5,64
Polypropylene	3,30	30,91
Nylon	0,02	0,22
Polyethylene	0,10	0,94
Wood	0	0

Recycling  63%

Recyclability  100%



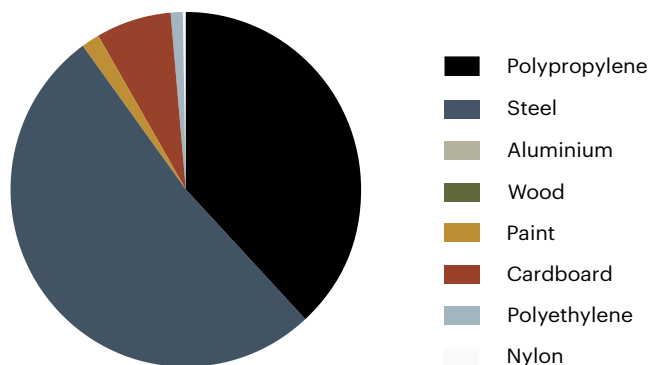
## Lottus Chair 4L with Wings Arms

SI007013

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	4,65	52,04
Aluminium	0	0
Paint	0,15	1,68
Cardboard	0,60	6,72
Polypropylene	3,41	38,18
Nylon	0,02	0,27
Polyethylene	0,10	1,12
Wood	0	0



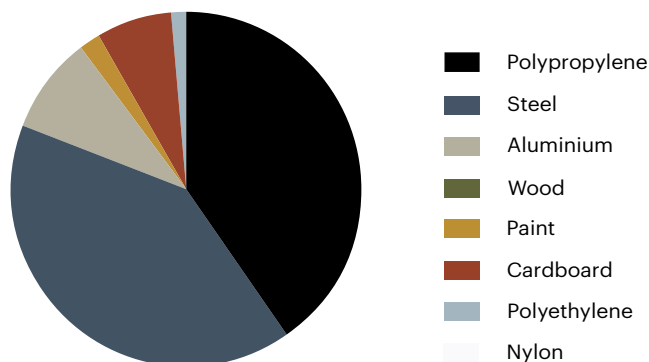
## Lottus Chair 4L with Aluminium Arms

SI007012

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	3,30	40,57
Aluminium	0,71	8,75
Paint	0,15	1,84
Cardboard	0,58	7,07
Polypropylene	3,30	40,54
Nylon	0	0
Polyethylene	0,10	1,23
Wood	0	0



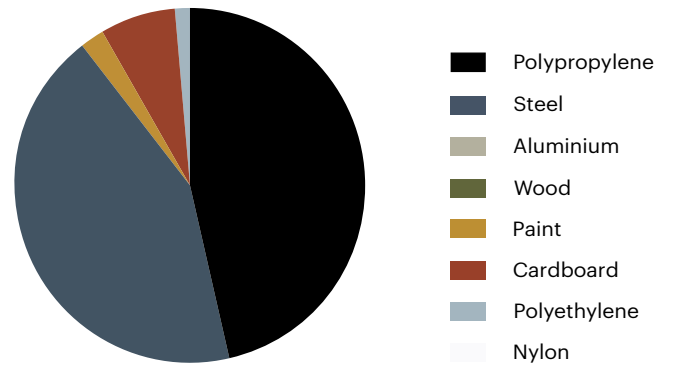
# Lottus Chair 4L with Wheels

SIO07032

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	3,19	43,26
Aluminium	0	0
Paint	0,15	2,03
Cardboard	0,51	6,93
Polypropylene	3,42	46,42
Nylon	0	0
Polyethylene	0,10	1,36
Wood	0	0



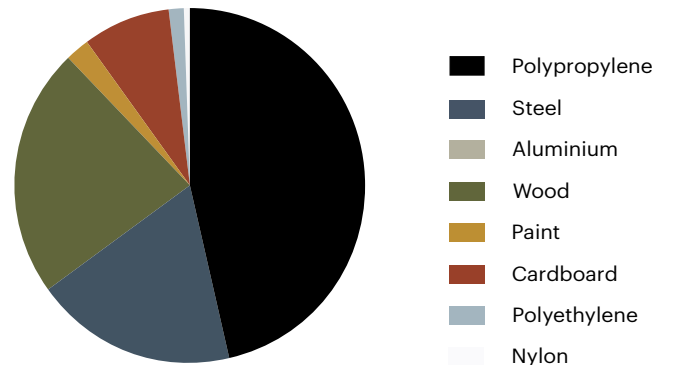
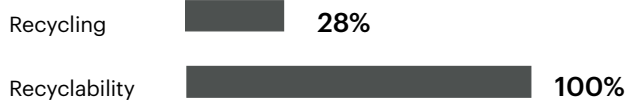
# Lottus Chair 4L Wood

SIO07008

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,26	18,64
Aluminium	0	0
Paint	0,15	2,22
Cardboard	0,55	8,10
Polypropylene	3,14	46,44
Nylon	0,02	0,36
Polyethylene	0,10	1,48
Wood	1,54	22,75



### Lottus Chair 4L Wood with Wood arms

SI007016

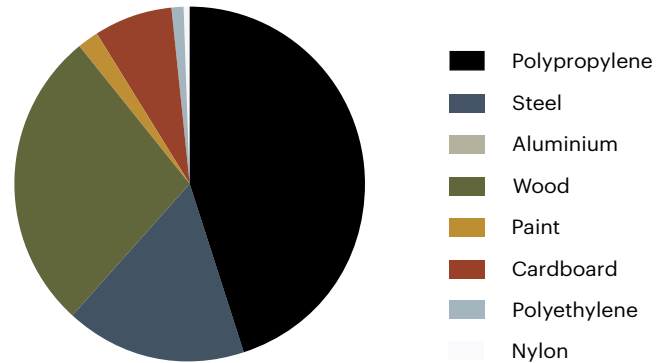
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,32	16,73
Aluminium	0	0
Paint	0,15	1,91
Cardboard	0,57	7,22
Polypropylene	3,55	45,15
Nylon	0,02	0,31
Wood	2,16	27,42
Polyethylene	0,10	1,27

Recycling  26%

Recyclability  100%



### Lottus Chair 4R fix

SI007001

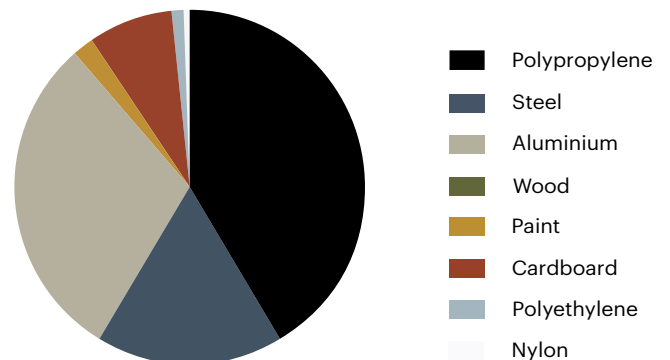
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,29	17,10
Aluminium	2,25	29,95
Paint	0,15	1,99
Cardboard	0,58	7,65
Polypropylene	3,14	41,66
Nylon	0,02	0,32
Wood	0	0
Polyethylene	0,10	1,33

Recycling  38%

Recyclability  100%



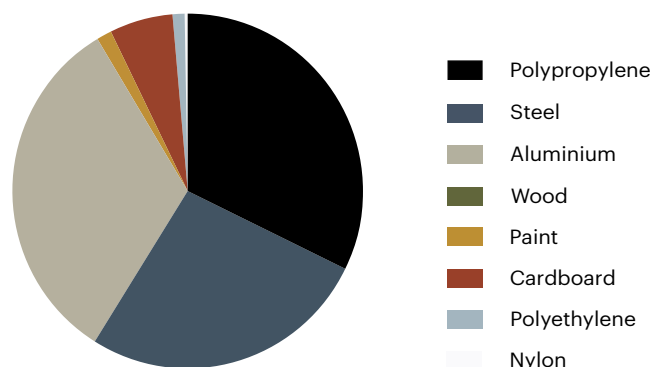
## Lottus Chair 4R fix with Aluminium arms

S1007043

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,58	26,59
Aluminium	3,15	32,48
Paint	0,15	1,55
Cardboard	0,56	5,76
Polypropylene	3,14	32,34
Nylon	0,02	0,25
Wood	0	0
Polyethylene	0,10	1,03



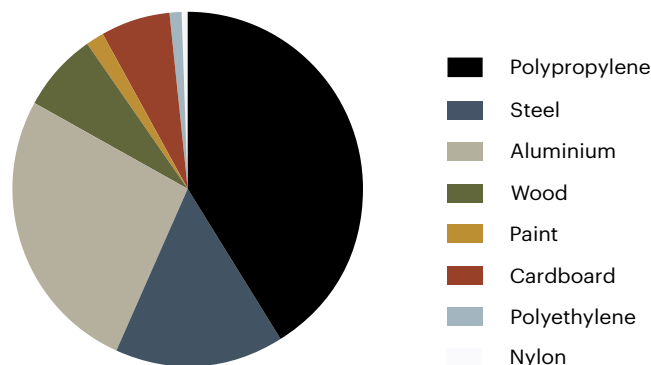
## Lottus Chair 4R fix with Wood arms

S1007044

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,34	15,63
Aluminium	2,25	26,21
Paint	0,15	1,74
Cardboard	0,56	6,48
Polypropylene	3,55	41,29
Nylon	0,02	0,28
Wood	0,62	7,21
Polyethylene	0,100	1,16





### Lottus Chair 4R fix with Wheels

SI007003

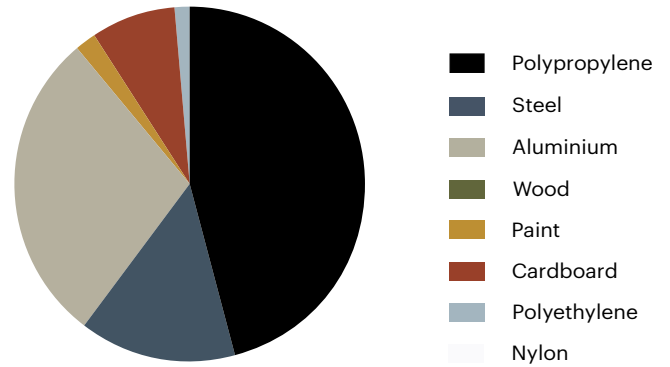
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,12	14,26
Aluminium	2,25	28,61
Paint	0,15	1,90
Cardboard	0,62	7,85
Polypropylene	3,63	46,10
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,27

Recycling  35%

Recyclability  100%



### Lottus Chair 4R fix with Wheels and Aluminium arms

SI007041

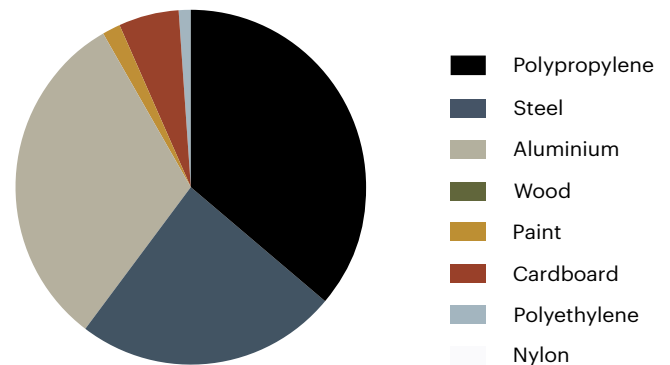
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,41	24,13
Aluminium	3,15	31,48
Paint	0,15	1,50
Cardboard	0,56	5,59
Polypropylene	3,63	36,30
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,00

Recycling  43%

Recyclability  100%



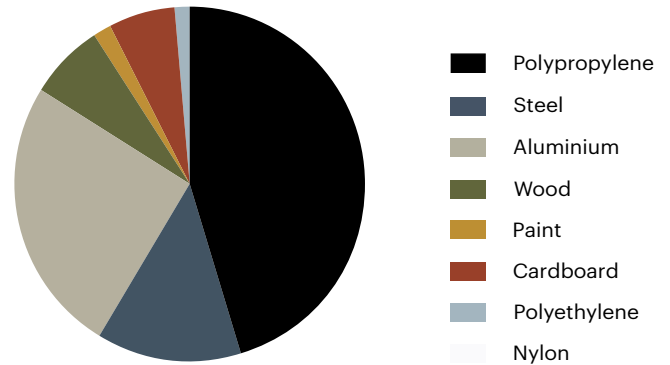
## Lottus Chair 4R fix with Wheels and Wood arms

S1007042

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,18	13,25
Aluminium	2,25	25,30
Paint	0,15	1,68
Cardboard	0,56	6,26
Polypropylene	4,05	45,43
Nylon	0	0
Wood	0,62	6,96
Polyethylene	0,10	1,12



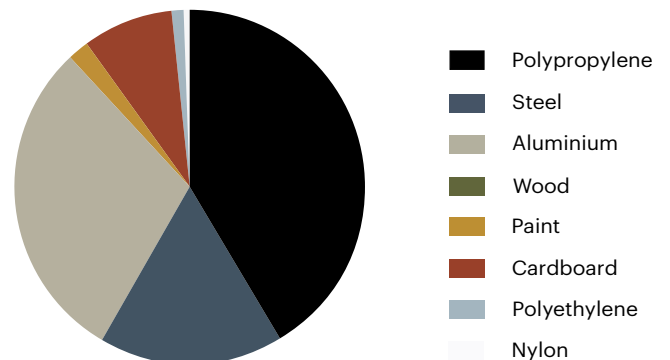
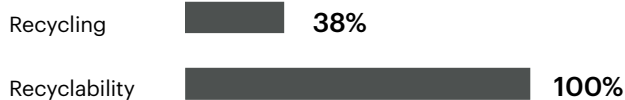
## Lottus Chair 4R Swivel

S1007002

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,29	17,12
Aluminium	2,25	29,69
Paint	0,15	1,98
Cardboard	0,61	8,13
Polypropylene	3,14	41,45
Nylon	0,02	0,32
Wood	0	0
Polyethylene	0,10	1,32



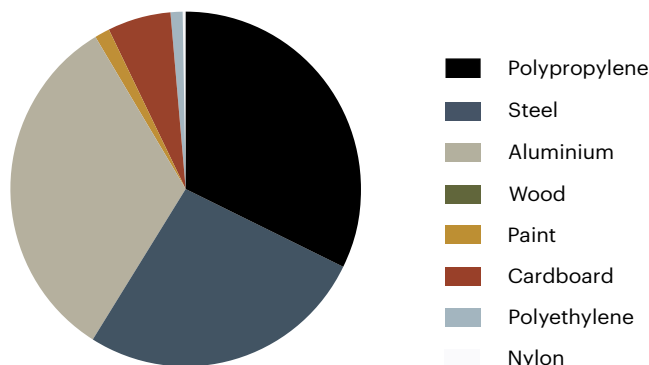
## Lottus Chair 4R Swivel with Aluminium arms

S1007045

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,59	26,67
Aluminium	3,14	32,40
Paint	0,15	1,55
Cardboard	0,56	5,76
Polypropylene	3,14	32,34
Nylon	0,02	0,25
Wood	0	0
Polyethylene	0,10	1,03



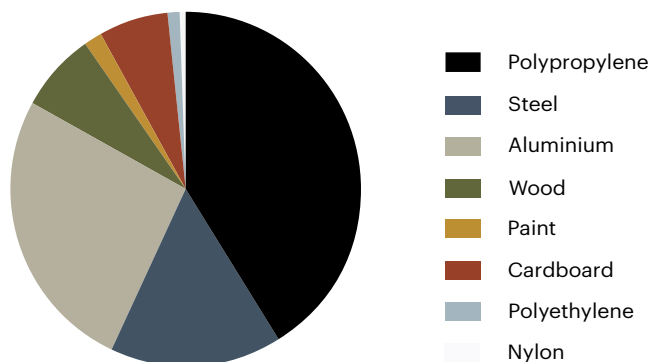
## Lottus Chair 4R Swivel with Wood arms

S1007046

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,35	15,72
Aluminium	2,25	26,11
Paint	0,15	1,74
Cardboard	0,56	6,48
Polypropylene	3,55	41,29
Nylon	0,02	0,28
Wood	0,62	7,21
Polyethylene	0,10	1,16



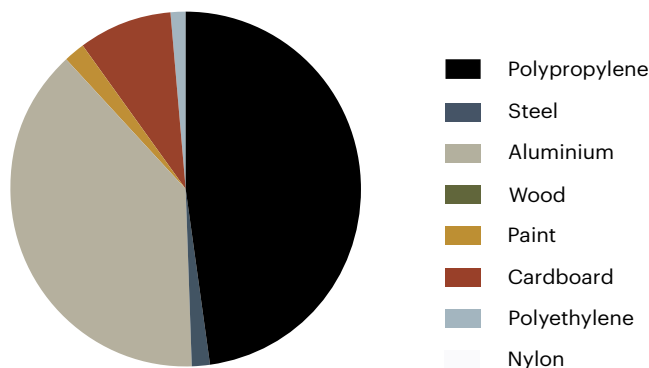
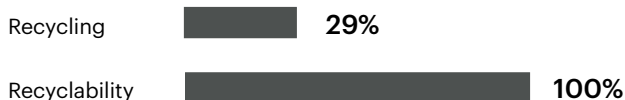
## Lottus Chair 5R

S1007007

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	0,12	1,55
Aluminium	3,05	38,78
Paint	0,15	1,91
Cardboard	0,67	8,57
Polypropylene	3,76	47,92
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,27



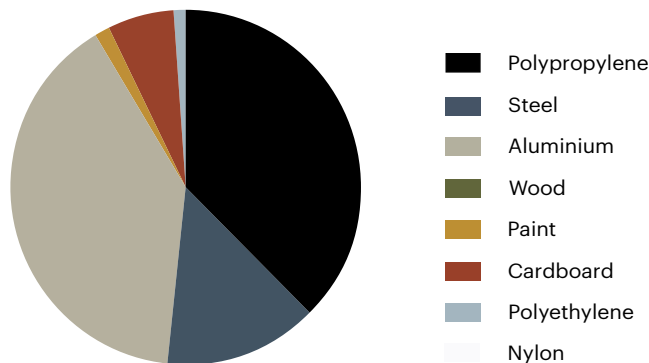
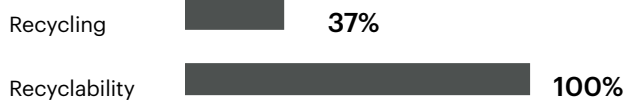
## Lottus Chair 5R with Aluminium arms

S1007039

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	1,41	14,17
Aluminium	3,94	39,55
Paint	0,15	1,50
Cardboard	0,598	6,00
Polypropylene	3,76	37,77
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,00



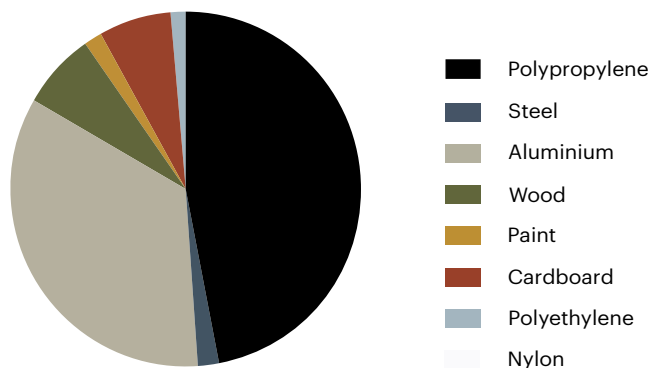
## Lottus Chair 5R with Wood arms

SI007040

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	0,18	2,02
Aluminium	3,05	34,34
Paint	0,15	1,69
Cardboard	0,59	6,74
Polypropylene	4,18	47,10
Nylon	0	0
Wood	0,62	6,99
Polyethylene	0,10	1,13



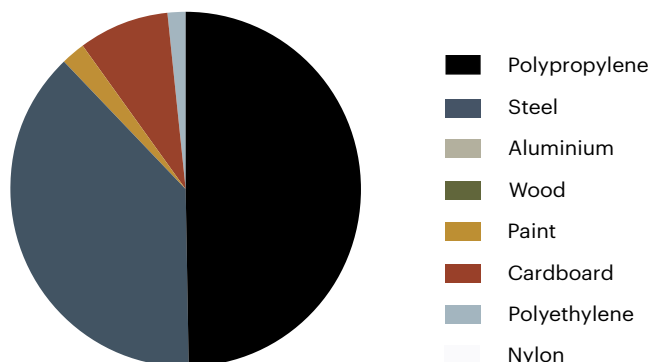
## Lottus Chair Sledge

SI007010

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,41	24,13
Aluminium	3,15	31,48
Paint	0,15	1,50
Cardboard	0,559	5,59
Polypropylene	3,63	36,30
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,00



# Lottus Chair Sledge with arms

S1007024

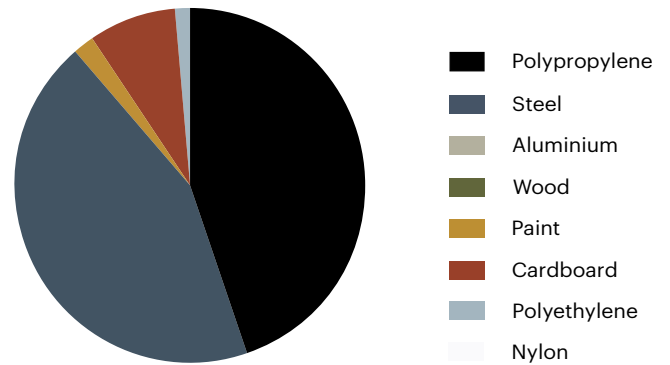
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	3,35	43,96
Aluminium	0	0
Paint	0,15	1,97
Cardboard	0,60	7,92
Polypropylene	3,41	44,83
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,31

Recycling  **51%**

Recyclability  **100%**



# Lottus Chair Spin Fix

S1007005

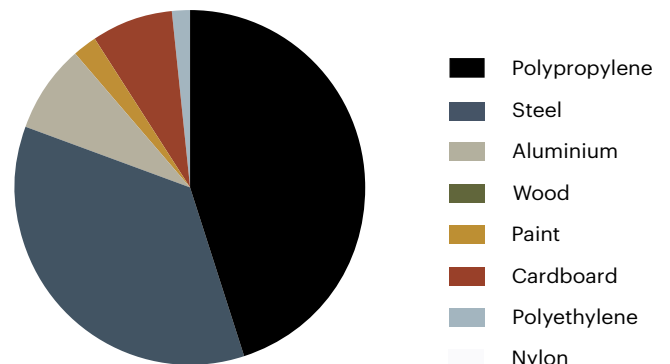
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,48	35,70
Aluminium	0,55	7,92
Paint	0,15	2,16
Cardboard	0,53	7,65
Polypropylene	3,14	45,14
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,44

Recycling  **46%**

Recyclability  **100%**



## Lottus Chair Spin Fix with Wing arms


S1007034

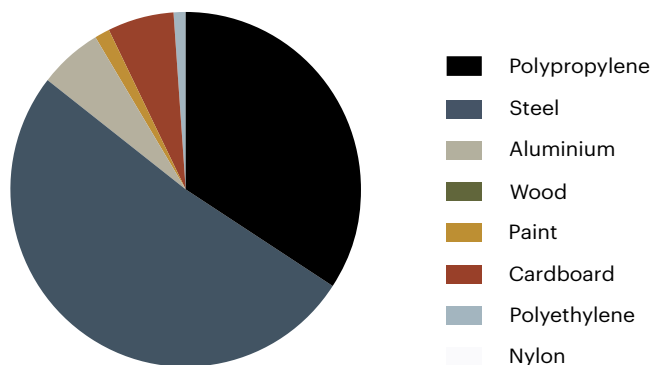
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	4,90	51,38
Aluminium	0,55	5,76
Paint	0,15	1,57
Cardboard	0,57	5,98
Polypropylene	3,27	34,27
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,05

Recycling  57%

Recyclability  100%



## Lottus Chair Spin Fix with Aluminium arms

S1007033

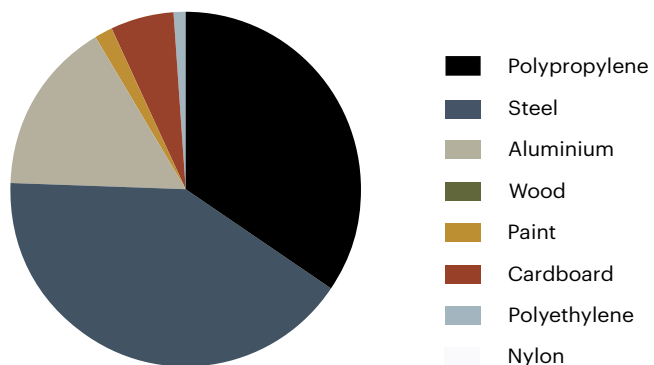
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	3,77	41,26
Aluminium	1,44	15,82
Paint	0,15	1,64
Cardboard	0,52	5,66
Polypropylene	3,16	34,53
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,09

Recycling  52%

Recyclability  100%



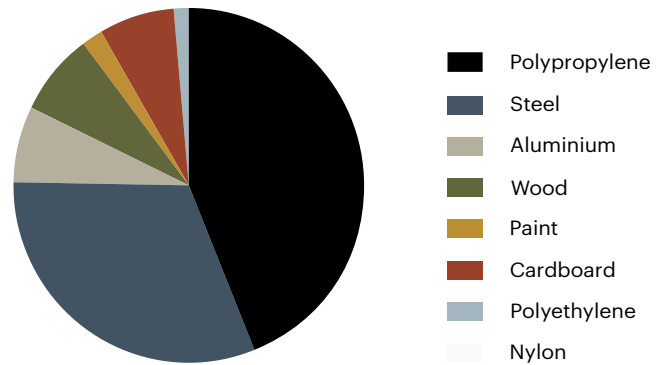
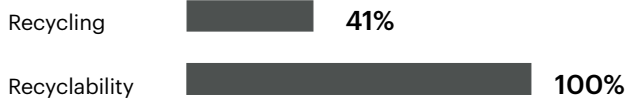
## Lottus Chair Spin Fix with Wood arms

S1007035

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,54	31,33
Aluminium	0,55	6,79
Paint	0,15	1,85
Cardboard	0,57	7,03
Polypropylene	3,57	44,10
Nylon	0	0
Wood	0,62	7,66
Polyethylene	0,10	1,23



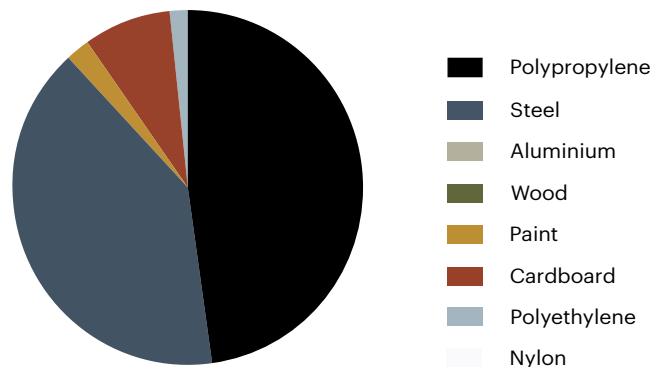
## Lottus Chair Spin Swivel

S1007006

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,66	40,34
Aluminium	0	0
Paint	0,15	2,27
Cardboard	0,53	8,06
Polypropylene	3,16	47,81
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,51





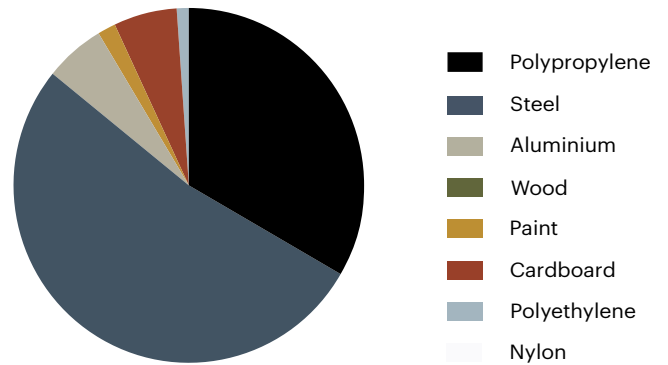
## Lottus Chair Spin Swivel with Wing arms

SIO07037

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	5,10	52,34
Aluminium	0,55	5,64
Paint	0,15	1,54
Cardboard	0,57	5,86
Polypropylene	3,27	33,59
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,03



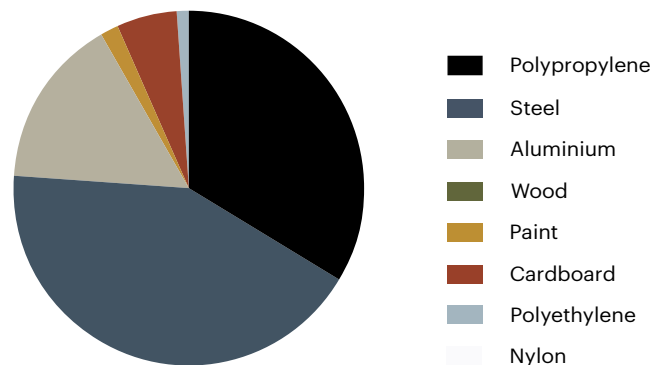
## Lottus Chair Spin Swivel with Aluminium arms

SIO07036

Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	3,95	42,41
Aluminium	1,45	15,51
Paint	0,15	1,61
Cardboard	0,52	5,55
Polypropylene	3,16	33,85
Nylon	0	0
Wood	0	0
Polyethylene	0,10	1,07



## Lottus Chair Spin Swivel with Wood arms

SI007038

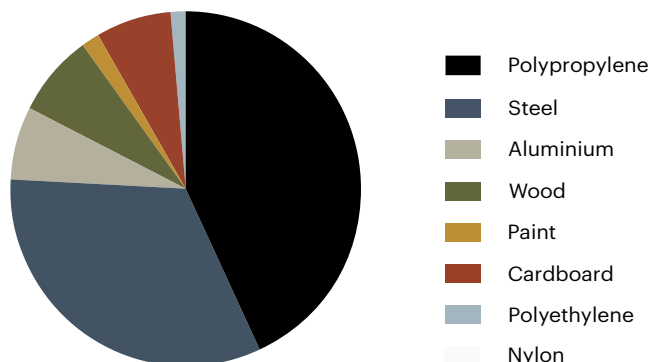
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	2,72	32,85
Aluminium	0,55	6,64
Paint	0,15	1,81
Cardboard	0,57	6,88
Polypropylene	3,57	43,13
Nylon	0	0
Wood	0,62	7,49
Polyethylene	0,10	1,21

Recycling  41%

Recyclability  100%



## Lottus Chair Spin Wood

SI007004

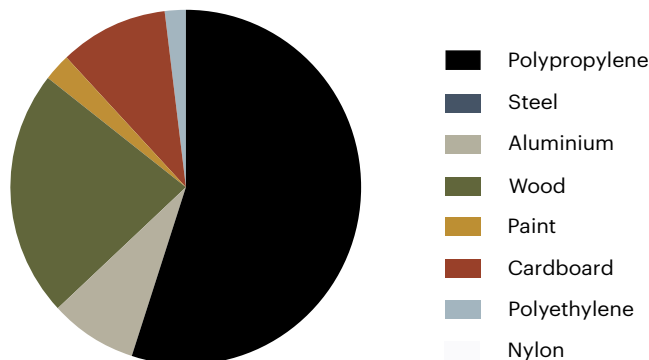
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	0	0
Aluminium	0,46	8,17
Paint	0,15	2,66
Cardboard	0,51	9,06
Polypropylene	3,14	55,58
Nylon	0	0
Wood	1,28	22,76
Polyethylene	0,10	1,77

Recycling  16%

Recyclability  100%




## Lottus Chair Spin Wood with Wood arms

SIO07047

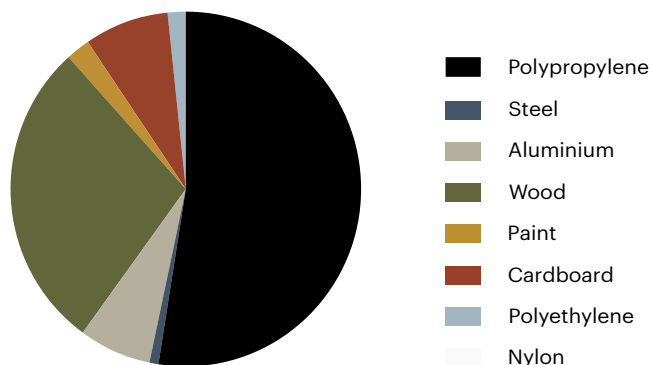
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	0,06	0,84
Aluminium	0,46	6,80
Paint	0,15	2,21
Cardboard	0,53	7,86
Polypropylene	3,55	52,37
Nylon	0,02	0,35
Wood	1,90	28,08
Polyethylene	0,10	1,47

Recycling  16%

Recyclability  100%



## Lottus Tray Chair

SIO07073

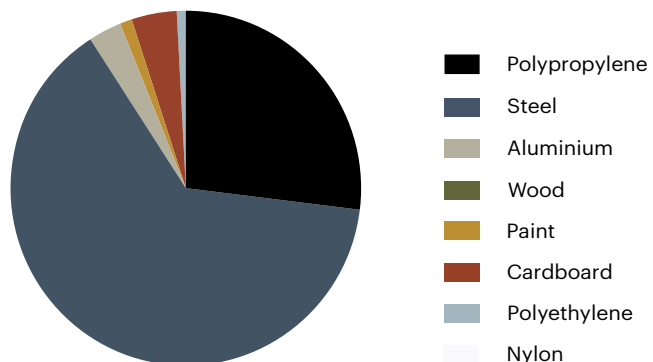
Designed by: Lievor Altherr Molina



Material	kgs	%
Steel	8,53	63,78
Aluminium	0,4	2,99
Paint	0,15	1,12
Cardboard	0,56	4,16
Polypropylene	3,64	27,20
Nylon	0	0
Wood	0	0
Polyethylene	0,10	0,75

Recycling  65%

Recyclability  100%



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