

Portatil Packaging composition, **disassembly of packaging and reuse elements**

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1. Packaging Composition

INDEX:

- 1.1.Product.
- 1.2.Plastics.
- 1.3.Cardboard and paper

1.1. Product

The following information is referred to the model TTLPORTATIL.
First, a general view with the list of its parts:



This is the list of the disassembling parts. The numbers in red meets the list.

- | | |
|-------------------------------|------------------------------|
| 1. Outer box | 7. Plastic Bag, power supply |
| 2. Inner cardboard | 8. Plastic Bag, notebook |
| 3. Upper Protector | 9. Plastic handles |
| 4. Down Protector | 10. Plastic bag, Instruction |
| 5. Plastic bag, battery | 11. Instruction |
| 6. Plastic Bag, AC Power Cord | |

The model is delivered as shown in the next figures:



The packaging system consists in:

Two cardboard boxes, five Plastics bags, two protects and paper instructions.

Fig.1:



Fig.5:



Fig.2:



Fig.6:



Fig.3:



Fig.7:



Fig.4:



Fig.8:



- All these materials are accepted in any sewage treatment plants or composting plants in the EU territory, including (Andorra, UK, and Switzerland).

1.2. Plastics

The following table shows the weight and its compositions:

Packaging Material Description	Material Type	Weight (grams)	Marking Code (Plastics Only)	% Range of Recycled Content (note whether by weight or volume)
Upper Protector	Low Density Polyethylene	27	LDPE	50%
Down Protector	Low Density Polyethylene	24	LDPE	50%
Plastic bag, battery	Low Density Polyethylene	3	LDPE	100%
Plastic bag, AC Power Cord	Low Density Polyethylene	3	PE-LD	100%
Plastic bag, power supply	Low Density Polyethylene	3	PE-LD	100%
Plastic bag, notebook	Low Density Polyethylene	14	PE-LD	100%
Plastic handles	Polyethylene	12	PE	100%
Plastic bag, Instructions	Low Density Polyethylene	5	PE-LD	100%

All the above plastics are made with polystyrene and all of them are practically 100% recyclable.

The recyclers must take account the UE-LER-RAEE code, for the correct recycled process base on

<http://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:32014D0955&from=ES>

Packaging Material Description	UE-LER-CODE
Internal polystyrene protectors	200139
Internal Bag polystyrene low density	200139
Plastic handles	200139

1.3. Cardboard and Paper

Packaging Material Description	Material Type	Weight (grams)	Marking Code (Plastics Only)	% Range of Recycled Content (note whether by weight or volume)
Outer box	Recycled cardboard	299		100%
Inner box	Recycled cardboard	47		100%
Paper	Recycled paper	6		100%

All the above components were elaborated with no chemical additions or chemical transformations. In consequence they are practically 100% recyclable.

Our paper and cardboard suppliers are FSC certified and paper suppliers are certified in PEFC. These certificates can be checked at:

<https://info.fsc.org/details.php?id=a023300000fyUPXAA2&type=certificate>

<https://info.fsc.org/details.php?id=a02400000082Ff5AAE&type=certificate>

<https://www.pefc.org/company-detail?id=283863>

The recyclers must take account the UE-LER-RAEE code, for the correct recycled process based on

<http://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:32014D0955&from=ES>

Packaging Material Description	UE-LER-CODE
Main Outer cardboard box	200101
Inner cardboard box	200101
Paper	200101

2. Disassembly of Packaging

INDEX:

- 2.1. Equipment extraction
- 2.2. Removal of Polystyrene inner protectors
- 2.3. Plastic handles
- 2.4. Removal of the internal protective cardboard
- 2.5. Plastic bag
- 2.6. All elements

2.1. Equipment extraction

To remove the equipment from the cardboard box, first of all, we must open it.



Once this is done, with our hands we grab the equipment and take it out.



2.2. Removal of Polystyrene inner protectors

With the help of our fingers we take out the internal protective Polystyrene.



2.3. Plastic handles

We take one of the ends that is inside. We rotate the tip so that it enters through the holes.



2.4. Removal of the internal protective cardboard

With the help of our fingers we take out the internal protective cardboard.



2.5. Plastic bags.

The five plastic bags that are in the packaging have an opening on their sides to subtract the elements with ease.



2.6. All elements.

Finally, this is the composition with all the packing elements.



3. Reuse Elements

INDEX:

- 3.1. Product.
- 3.2. Components
- 3.3. Contract Teknoservice

3.1. Product

The following information is referred to the model TTL PORTATIL.

The model is delivered as shown in the next figures:



3.2. Components

After the product unpacking and the disassembling process, some elements could be reused without any physical or chemical transformation and other could be sent to waste plant.

The following components are the reusing ones:

Internal Bag polystyrene low density

Internal polystyrene protectors

Main and inner cardboard

Memory Card

CPU

CPU Heater Sink.

Comp1:



Comp2:



Comp3:



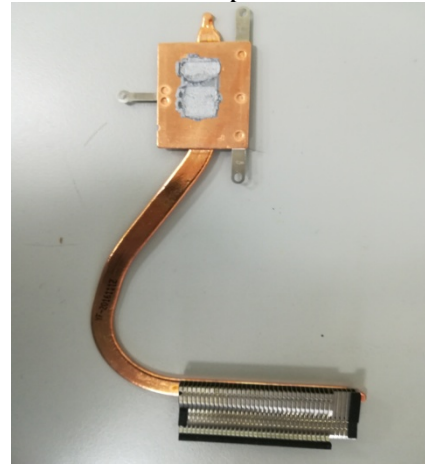
Comp4:



Comp5:



Comp6:



The Comp1 and Comp2:

A minimum of 5 times reused up to a number not yet determined. The indoor use of this part of the packaging does not suffer damage. Expanded polystyrene is 100% reusable to form blocks of the same material is also recyclable raw materials for making other types of products.

Both components can be collected by Teknoservice if the clients accepted the Teknoservice 's recycling program. In the point 3.3 there is a Contract which is the model that is used in the buying of TTL Portatil.

The Comp3:

Two simple corrugated small cardboard 100% recycled for documentation and cables. Also internal use, reuse suffers. A minimum of 5 times reused up yet undetermined number.

It can be collected by Teknoservice if the clients accepted the Teknoservice 's recycling program. In the point 3.3 there is a Contract which is the model that is used in the buying of TTL Portatil.

The Comp4, Comp5 and Comp6:

These components, at the time that are in its recycling period life, are perfect for the second hand market.

There are many companies that mount systems for outwards EU or just sell old components.

Others company are interesting in the rare metals that are using inside the CPU, inclusive the Copper and aluminium. The Co2 calculation says that is better the Second hand that the recycling process of the waste plants.

3.3. Contract Teknoservice

Teknoservice has a program to reuse up to five times its packaging. The customer need to add itself at the program and firm the below document.

Teknoservice knows the reusing cycle of its packaging, so no all the packaging can be collected, for reusing. If the damage is too high, Teknoservice will collect for waste.

In the territories of Andorra, UK and Switzerland, Teknoservice will contact with a local recycler to do the collect process. The CANON that these countries are obey to paid in concept of its environmental programs permit the back to Spain of the packaging.

Programa de Recuperación de Embalajes

Desde Teknoservice nos enorgullece informarle que cumplimos con las normativas europeas de Ecolabel 2014/256/EU, (UE) 2019/70 y la anterior (2011/337/EU). Además de cumplir con la Directiva 94/62/CE del Parlamento Europeo y del Consejo, de 20 de diciembre de 1994, relativa a los envases y residuos de envases.

Para evaluar los residuos que genera nuestra actividad empresarial tenemos en cuenta una serie de factores:

- La consideración del fin de la vida del equipo, desde la concepción.
- Durabilidad del material.
- Reducción del consumo de energía.
- Reciclaje.
- La participación de las empresas en el desarrollo sostenible.
- Embalaje. Unitario o a granel.

Por lo tanto, le proponemos participar en nuestro programa de recuperación de embalaje el cual, es gratuito y ha sido diseñado para la recogida del empaquetado de los productos que ha adquirido a nuestra empresa, con el fin de la reutilización de materiales.

En caso contrario, es responsabilidad de nuestros clientes desechar el residuo del embalaje, entregándolo en un punto de recogida destinado al reciclaje. La recogida y el reciclaje por separado de estos residuos en el momento en el que usted se desprende de los mismos, ayudarán a preservar los recursos naturales y garantizar que el reciclaje se realice de modo inocuo para la salud de las personas y el medio ambiente.

Gracias por cuidar del medioambiente.

- Si, deseo participar en el programa de recuperación de embalaje.
- Deseo recibir la mercancía con embalaje a granel.
- No, no deseo participar en el programa de recuperación de embalaje.
- Deseo recibir la mercancía con embalaje a granel.