



## **POLIONDA<sup>®</sup> AND ONDAPLAQUE**

Extruded sheets in polypropylene



# POLIONDA® AND ONDAPLAQUE

Polionda® and Ondaplaque are the brands used by Ondaplast for the production and distribution of polypropylene corrugated and solid sheets.

Polypropylene is a polymer with a low environmental impact, as it does not contain toxic molecules and it is always 100% recyclable.

In fact, sheets and packaging in Polionda® and Ondaplaque made by Ondaplast can be recycled many times by grinding and regranulation to make new products without any waste going dispersed into the environment. From this point of view, polypropylene fits perfectly into the circular economy system.

Polionda® and Ondaplaque sheets are produced by extrusion and are characterized by:

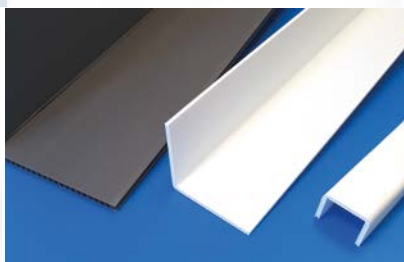
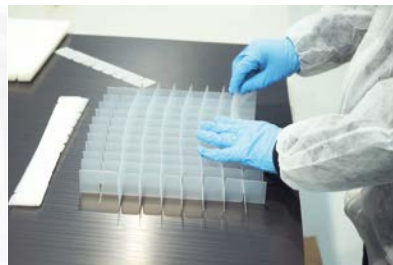
- Lightness
- Long duration
- Resistance to chemical and atmospheric agents
- Waterproofing
- Ease of processing (printing, cutting, assembly, welding, etc.)

The above characteristics make the sheets and products in corrugated and solid polypropylene ideal for many fields: from reusable packaging for industrial applications to secondary packaging for pharmaceuticals and cosmetics, from the food industry to the advertising hoardings and paper converting.

Polypropylene is the best alternative to cardboard whenever is necessary:

- To avoid dust contamination
- To avoid the accumulation of moisture
- To avoid bacterial proliferation and the onset of fungi and molds

In addition, the Polionda® and Ondaplaque sheets offer various possibilities for customization: the master pigments can be used to produce colored sheets upon customer's request and the corona treatment up to 48 dyne guarantees suitability for each printing technology. A distinctive feature of Polionda® sheets is the possibility of making the two faces in different colors, while the main quality of the Ondaplaque sheets is that they can be totally transparent.



## POLIONDA® SPECIFICATIONS

The Polionda® sheets are available with thicknesses between 2 and 10 mm and grammage from 250 to 2,500 gr./sqm and, according to needs, they can be made from virgin or recycled polypropylene.

Furthermore, with the use of specific additives it is possible to produce Polionda® sheets and packaging:

- Conductive (ESD - Electro Static Discharge)
- Resistant to UV rays
- Anticorrosion (VCI - Volatile Corrosion Inhibitor)
- Flame retardant (FR)



**Table no. 1**  
Thicknesses and available grammages.

Thickness [mm]	Grammage [gr./sqm]
1,9	From 250 to 330
2,0	From 250 to 450
2,5	From 450 to 600
3,0	From 500 to 900
3,5	From 550 to 1.200
4,0	From 900 to 1.500
4,5	From 1.000 to 1.500
5,0	From 1.100 to 1.500
6,0	From 1.400 to 1.600
7,0	From 1.500 to 1.800
8,0	From 1.600 to 2.200
10	From 1.800 to 2.500

**Table no. 2**  
Minimum and maximum dimensions of extruded sheets and rolls.

Sheets	
Min.	500 x 500 mm
Max.	6.000 x 2.800 mm
Rolls	
Min. width	450 mm
Max. width	2.200 mm
Max. weight	25 kg
Thickness	From 2 to 2,5 mm
Max. grammage	500 gr./sqm

**Table no. 3**  
Dimensional tolerances.

Length direction of flutes	≤ 1 m	+/- 7 mm
	> 1 m	+/- 0,7%
Width	≤ 1 m	+ 0-10 mm
	> 1 m	+ 0-1%
Thickness	≤ 2 mm	+/- 10%
	> 2 mm	+/- 5%
Grammage	≤ 500 gr./sqm	+/- 10%
	> 500 gr./sqm	+/- 5%

## ONDAPLAQUE SPECIFICATIONS

The Ondaplaque sheets are available with thicknesses between 0.4 and 3 mm and, on request, they can be opaque or transparent. Finally, each face can have a Matt, Quartz or Gloss finishing.

**Table no. 1**  
Thicknesses and grammages.

Thickness [mm]	Grammage [gr./sqm]
0,4	368
0,5	460
0,6	552
0,8	736
1	920
2	1.840
3	2.760

**Table no. 2**  
Dimensional tolerances.

Length	+/- 3 mm	
Width	+/- 3 mm	
Thickness	≤ 0,9 mm	+/- 0,03 mm
	From 0,9 to ≤ 2,5 mm	+/- 0,04 mm
	> 2,5 mm	+/- 0,15 mm





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**Certifications**

ISO 9001  
UNI EN 15593 2008  
ISO 45001:2018

