

The background of the entire image is a dense, vibrant green foliage, likely a ground cover plant with small, oval-shaped leaves. The text is overlaid on this background.

POTTERY ***RECYCled***

Recycled Cast pmma

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Policril Recycled

The market is increasingly aware of the environmental impact produced by the consumption of single-use plastic products and materials, which is why it is essential to change the current production model, based on producing, consuming and later throwing out.

The use of materials whose raw materials come from the reuse of waste, step by step is becoming a real alternative. In part, thanks to the use of new, increasingly efficient recycling systems that allow an increase in the quantities treated and recovered. All this contributes to the gradual implementation of an alternative system to the current one, truly sustainable and respectful with the environment, based on the optimization of resources, a circular economy model.

Policril RECycled is the return to the origins of **IRPEN**, re-incorporating into our thermoplastics catalog a cast pmma made from recycled raw material.

The goal is to bring endless life to acrylic, the base component. MMA, due to its intrinsic properties, allows the recycling process and reconversion into new raw material to be carried out repeatedly without the material being altered. Ultimately, we have the ideal candidate for a production model based on the circular economy.



"Methacrylate, the ideal candidate for a production model based on the circular economy"

The polymer coming from plastic recuperation (either sheet, cut-off, etc.) after a grinding process and through chemical recycling, is depolymerized, neutralized and distilled to reach the desired purity levels. After this process the base component is obtained, the monomer of methyl methacrylate. From this R-MMA, and after a new polymerization process, sheets of **Policril RECycled** are obtained.



Recycled Cast pmma Policril Recycled

Performance of **Policril RECYCled** sheets is equivalent to synthetic methacrylate, with the added value of being more environment-friendly. This process can be repeated infinitely without the resulting sheet modifies its properties.

With **Policril RECYCled** we offer our clients new business opportunities, by offering them sustainable alternatives in a market that is increasingly aware of the environment.



"With reference to the standard methacrylate manufacturing process, RECYCLED's production involves:

**Reduction of CO2 emission
Reduction of water consumption
Reduction of waste disposal "**

Recycled Cast pmma Policril

Properties

Its acrylic base gives the product the characteristics of the material:

- Recycled and recyclable.
- Maximum transparency, same physical and mechanical characteristics as PMMA.
- Allows the same handling and transformation techniques as acrylic from pure raw material.
- Reduction of the carbon footprint in the production process

Range available

Policril RECYcled is available in various thicknesses in the most popular colors, such as clear, opal white, opaque white and black.

Colors:

- 010001 – Clear
- 120002 – Opal white
- 130001 – Opaque white
- 930002 – Black

More colors and thicknesses available under demand.



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