



¿WHO WE ARE?



Recycling Solutions SAS - Recysol® is a company focused on *End Of Life Management products and services*, providing Logistics and integral solutions to solve growing waste problem. Research and recovery processes give a new life to materials in order to reintroduce them in a *Circular Economy Model*.

This way, many resources are being saved impacting positively our environment.













¿WHY IS OUR WORK IMPORTANT?

Since 2010, Our Actions contribute to the development of new forms of Circular Economy ...

- Reducing the generation of waste.
- Looking for new ways of use.
- Reducing energy consumption and emissions.

Less Waste + Life!!!



Recycling & Recovery END-OF-LIFE MANAGEMENT



PRODUCTS

Recovering of Polyvinyl Butyral - PVB resulting laminated glass industry (Post industrial)

✓ Flakes, Pellets and Liquid Resin (Solvent Based) of PVB for diverse Industries and Apps.

Recovering and Waste Utilization and reconversion of Polyvinyl butyral - PVB resulting of Postconsumer Windshields.

√ (Flakes).



PVB Based Resin



PVB Flakes



PVB postconsumer flakes



PVB Mix Flakes





SERVICES

Take Back Programs for PVB film Industries according to the specific needs.

✓ Different types of recycled materials.

Trading and Logistics of diverse materials according to the specific needs of the client

✓ Different types of recycled materials.

Market Intelligence for Industrial Waste Management.

✓ Different types of recycled materials.





WHAT IS PVB AND WHAT FEATURES DOES IT HAVE?

PVB is an engineering plastic, mostly used in the manufacture of laminated glass. It offers safety, thermo acoustic comfort and protection against UV rays.

when it is recycled, PVB It is a sustainable, non-toxic material with excellent properties such as:

Low concentration of VOC ... Without Chlorine or Pphthalates.

Resistant to UV rays.

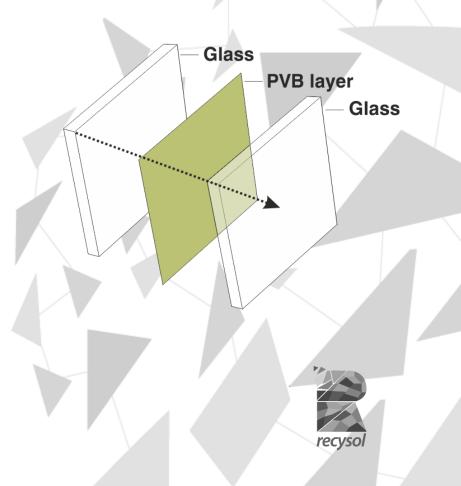
High sound absorption and impact.

High adherence to various surfaces.

High toughness and flexibility.

It is a Plasticizer...

Laminated Glass Construction



THE PROBLEM OF PVB AND LAMINATED GLASS IN THE WORLD

- There are more than 1 billion vehicles in the world, all of them use laminated windshields.
- Additionally, each year the use of laminated glass as an architectural finish increases.
- Most of the PVB of the windshield and glass architecture, reaches the landfill...
 - IT IS DISCARDED



THE PROBLEM IN BRAZIL

In Brazil, only 8% of the 5,000 tons of monthly windshields generated * (AutoGlass Institute) are used.

More than 90% of the PVB present in the windshield and Architectural glass, reaches – Go to the landfill, it is not used!!!









ENVIRONMENTAL IMPACT



4.700 gCO2 by

each KG Produced



1 Ton of recycled PVB, avoids 4.6 tons CO2 of emissions to the Atmosphere..





BUSINESS MODEL

1. We are looking for suppliers of post-industrial and post-consumer PVB for our production process, mainly from the following sources of supply:

<u>Industry</u>	<u>Segment</u>
Automotive	Manufacture of Laminated Glass
Construction	Manufacture of Laminated Glass
Plastics and Rubber	Manufacture of PVB Film
Glass Recycling	Manufacture of Laminated Glass

BUSINESS MODEL

2. We are looking for Industrial Clients who use our recycled PVB for their processes, mainly in the following markets:

<u>Industry</u>	<u>Segment</u>
Automotive	Auto parts manufacturing
Construction	Paints and varnishes Thermo-acoustic insulators Rugs and carpets
Plastics and Rubber	Window frame parts and expansion joints PVB film manufacturing Wood - Plastic Composites
Glass	Laminated Glass manufacturing

BUSINESS MODEL

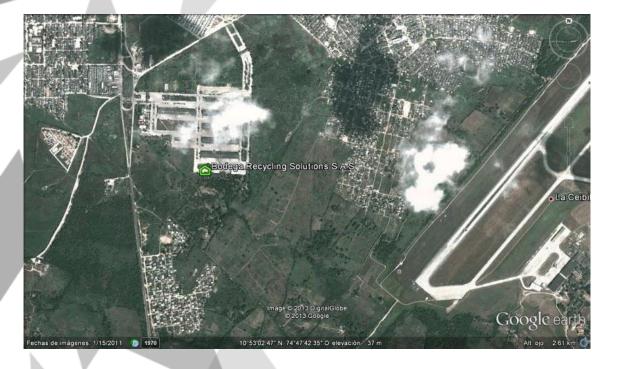
2. We are looking for Industrial Clients who use our recycled PVB for their processes, mainly in the following markets:

<u>Industry</u>	<u>Segment</u>
Defense and Security	Bulletproof elements manufacturing
Energy	Solar panel manufacturing
Flexography and Printing	Ink manufacturing

3. We are looking for Collaborative Alliances, Public and Private investors and new financing models that promote the circular economy and that wish to replicate our business model under joint ventures or Others...



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