



never refuse to reuse

CIRCULAR MATERIAL MADE FROM
100% POLYETHYLENE

ECOPIXEL

ECOPIXEL collects, separates, chips into pieces and retransforms into products, what others throw away.

ECOPIXEL is a manufacturing company that recycles mono-polymer plastic typology, made from 100% shredded waste material. The material is usually made with industrial thermoplastic waste material but more and more also with collected material from any other field including household-waste.

Recycling a mono-polymer means the material can be melted and re-melted an infinite number of times resulting in a forever circular material and creating this way a true "cycle" in material-use. As long as a material stays "clean" (read mono-polymer) it can be transformed at the exact temperature of the polymer involved and so, the material will never "burn" and deteriorate. Keeping polymers separate is thinking also about what happens after the recycled cycle. **With ECOPIXEL, after you, someone else will be able to recycle what you have recycled, so never again new extraction of raw materials will be needed.**

ECOPIXEL wants to promote the idea of NEVER mixing different plastic-waste-materials so to keep the plastics "clean" and ready for reuse also after each product-lifecycle.

Ecopixel is suitable for both INDOOR and OUTDOOR situations: It resists temperatures from -10 to +50°C. Does not fade and does not fear humidity.

ECOPIXEL is specialized in customized productions in multicolor recycled/circular plastic materials. We produce any customized project in 3D-shaped blow mouldings / Sheet materials including CNC / Injected plastics / Vacuum shaped objects. We arrange technical follow up of your project-drawing until the toolmaking to the final production, with possibility to arrange packaging and transport.

ECOPIXEL 3D-shaped productions: for ready assembled complex products.
ECOPIXEL sheet : for your easy personalized project / works with standard tooling
ECOPIXEL injection : for high quantity, volume precision projects
ECOPIXEL Vacuum-shaped productions
ECOPIXEL basics : standard shapes for immediate sales

WET/ecopixel

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GHETTO-BLASTER

ECOPIXEL is known since 2017 for developing recycled plastic materials used in design & internal architecture fields. In their continuous research for new materials from waste plastics, ECOPIXEL recently developed a new range of materials based on a multiple-layer concept. With multiple layer materials, it is possible to create a single material that deliberately builds up in different layers. Different layers with different densities or even with different structural qualities can be combined. This creates among many possibilities also the possibility to deliberately create a sound-absorbing material in one and the same material. Due to a softer roughly shaped inner layer and a higher densified “stiffer” outer layer, new material was created with high sound-absorbing capacity. The ECOPIXEL “audio” material showed to be ideal for loudspeakers enclosures especially since ECOPIXEL can be shaped in any design, often including all detailing needed to meet all acoustical requests. Together with Sound Engineer Joseph Szall, Italo/Hungarian specialist, the ECOPIXEL “AUDIO” material was especially tested on loudspeaker enclosures resulting in truly interesting research leading to a spherical-speaker project.

ECOPIXEL Bluetooth GHETTO BLASTER

Ghetto Blaster by Ecopixel is a high quality vented Bluetooth stereo speaker offering top-quality sound in a stylish, portable “home” speaker system. In this first edition ECOPIXEL chose for a simple Bluetooth receiver in order to enjoy music in high quality “without instructions”.

Using state of the art, latest generation, Italian-made coaxial speaker-units, featuring neodymium 1,5” treated silk dome-tweeters and 5,5” rubber surround double asymmetric damped cone woofer (DAR), a frequency response from 70Hz to well over 20Khz was achieved. The incredibly clean bass response was obtained thanks to the ECOPIXEL “AUDIO” material enclosure that with very little extra sound absorbing material translates the electrical input into a warm but firm and clean bass-sound.

Special STEREO sound

Separated calculated vented pipes for DX and SX channel point in both directions, as well as DX and SX speakers, point to opposite directions creating special stereo effects playing with various wall-reflection possibilities. The specially developed 6/12dB crossover filter divides woofer from tweeter at 3.500Hz. The cylindrical-enclosure integrates a handle.

DATASHEET GHETTO-BLASTER

- High Quality Stereo Bluetooth Speaker
- D20x46cm cylindrical bass reflex enclosure
- ECOPIXEL “AUDIO” sound absorbing material / 100% Industrial waste.
- 240 watt (120 watt AES/RMS) 5,5” coaxial speaker
- 70-20.000Hz 92dB/W/m
- 1,5” neodymium treated silk dome-tweeter
- 5,5” double asymmetric rubber surround damped cone woofer
- 6/12 dB crossover at 3.500Hz
- Classed 5.0 extended Bluetooth receiver
- Classed D low energy consuming 2x30watt integrated amplifier
- Integrated rechargeable 12V battery
- LED on/off indication
- Distanced CE approved 12Vdc transformer
- European 230-240V wiring included

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