Shaping a Sustainable Future

Micronipol
Plastics Recycling

Paving the way for circular plastic

To protect our environment and resources, we need to drastically change the way we design, produce and use plastic. Micronipol is a leading recycling company joining citizens, governments and corporations around the world in the pursuit of a circular economy for plastic.

By transforming industrial and domestic plastic waste into high-quality, plastic raw-material we are achieving our goal of:

Developing a sustainable model for plastic.

Micronipol was founded in 2000 at a time of rising environmental awareness. Today, we are proud to pave the way for manufacturers in Portugal and around the world to start using recycled plastic as the preferred type of raw-material.

Our recycling plant is located at the heart of Portugal's industrial area and covers a total of 50.000 sqm.

Recycled plastic per year

+20K Ton

Processing of urban waste per year

+6K Ton

Exports

+40%

Years of recycling experience

+20

Nothing is lost, nothing is created, everything is transformed.

Antoine Lavoisier

Imagine a world where things produced by men go from being used once, to being used again and again. Just as in nature, in a circular economy, once used, plastic containers get transformed, reshaped and reused. This is the solution backed by various European governments and organizations to solve plastic pollution and this is the philosophy that we live by.

For plastic circularity to be possible, the world needs citizens and companies to recycle. Most importantly, the world needs manufacturers, designers and creators to plan and develop products having their lifecycle in mind. At Micronipol we know that being recyclers is only half the solution. We need manufacturers to see our recycled pellets as the best raw-material for their production processes.
That is why we have designed a recycling process that focuses on delivering the best possible quality to our customers.

The Micronipol model for circularity

Quality

Quality is our main focus. Every single bag of pellets coming out of Micronipol is tested and graded at our quality control laboratory.

Specificity

Because every single one of our customers has a specific set of composition requirements, our recycled plastic is produced according to each client's required specificity. This is how we certify that our customers can produce the best possible products in their factories.

Consistency

Because we know our customers need their raw-materials to remain the same composition, one of our distinguishing values is consistency - we warrant consistency of our products throughout our partnership.

Sustainability

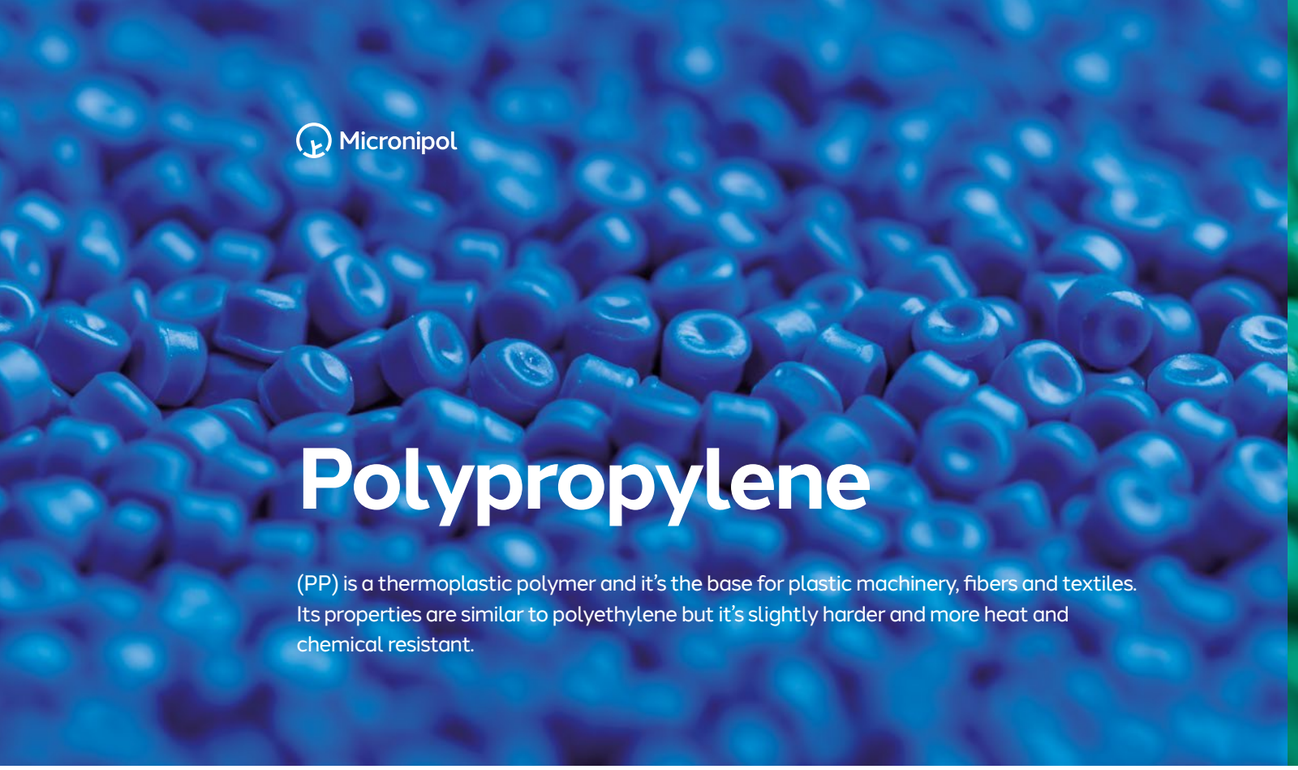
In addition to reducing water and air pollution, by transforming waste into plastic raw-material to be used in the manufacturing of plastic goods, Micronipol is also saving energy and water. We want to spread the word and encourage manufacturers around the world to choose recycled plastic rather than virgin plastic. This is how we strive for a more sustainable future for our planet.

Innovation

Circularity starts at the planning and design stage. We know that, to encourage manufacturers to use our recycled pellets, we need to support them in creating innovative products. That is why we have invested in our Research and Development department in order to support clients and potential interested manufacturers in the development of new products.

Quality Control Laboratory

Quality is our main focus. Every single bag of pellets coming out of Micronipol is tested and graded at our quality control laboratory. This is where we attest our product's fluidity and density.



Micronipol

Polypropylene

(PP) is a thermoplastic polymer and it's the base for plastic machinery, fibers and textiles. Its properties are similar to polyethylene but it's slightly harder and more heat and chemical resistant.

Description

Rigid plastic, bright, light and resistent to temperature changes.

Form	Melt Flow Index (MFI)	Density
Granulated | Grind	1 a 12 g/10 min ISO 1133 (230 °C; 2,16 Kg)	0,80 – 1,10 g/cm³ EN ISO 1183-1, Métod A

Colour Colourless | White

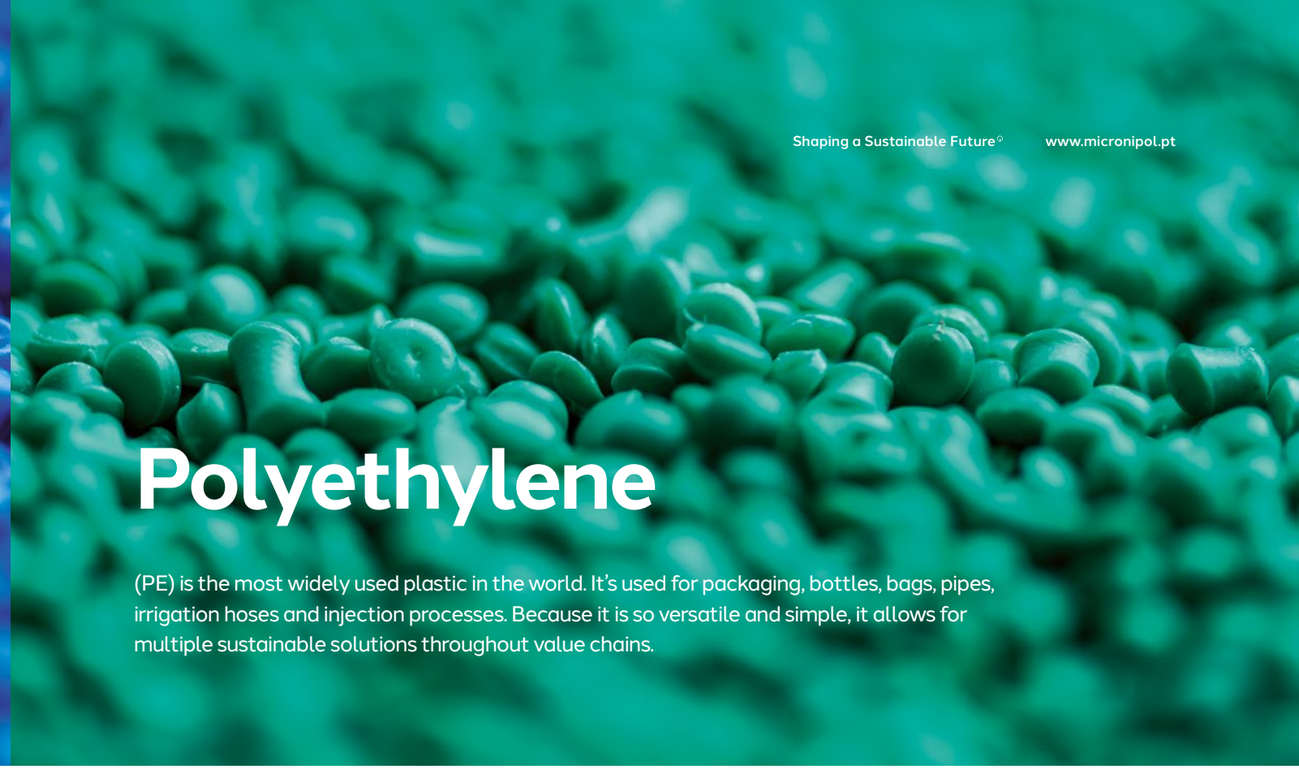
Taking into account that the finished product is a composition of recycled plastics, the color presented as a technical characteristic is only by approximation, not being guaranteed colors by the RAL system nor guaranteed continuity of color in successive supplies.

Packaging and storage

All Micronipol products are packed in big bags with approximately 1200 kg, or transferred directly to silos if needed.
The storage is on covered warehouse in order to avoid humidity. We advise the same procedure on costumer facilities.

Aplication

Mainly used on extrusion pipe and injection process.



Polyethylene

(PE) is the most widely used plastic in the world. It's used for packaging, bottles, bags, pipes, irrigation hoses and injection processes. Because it is so versatile and simple, it allows for multiple sustainable solutions throughout value chains.

Description

Flexible plastic, light, good impact resistance.

Form	Melt Flow Index (MFI)	Density
Granulated | Grind | Micronized	0,2 a 6,0g /10 min ISO 1133 (190°C; 2,16 Kg)	0,84 – 0,98 g/cm³ ISO 1133 (190°C; 2,16 Kg)

Colour Colourless | White

Taking into account that the finished product is a composition of recycled plastics, the color presented as a technical characteristic is only by approximation, not being guaranteed colors by the RAL system nor guaranteed continuity of color in successive supplies.

Packaging and storage

All Micronipol products are packed in big bags with approximately 1200 kg, or transferred directly to silos if needed.
The storage is on covered warehouse in order to avoid humidity. We advise the same procedure on costumer facilities.

Aplication

Mainly used on film extrusion for plastic bags, film for general use, irrigation tube, pipes, and others.
Also injection and rotomolding processes.

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