

RESINS

Our portfolio includes EKO®PET resins made from recycled bottles and suitable to produce packages in contact with food and beverages; and PET and Nylon 6 resins produced from raw materials from oil.

We are leaders of PET recycling in Colombia,
transforming millions of bottles into resins sold under
the EKO® PET brand

WHAT IS PET?

The saturated polyester copolymer PET (Polyethylene Terephthalate) was especially developed to produce packages and containers in contact with food.

The primary features of our PET resin are listed below:

- High transparency and luster
- Ideal to package products for human consumption
- Resistent to industrial washing processes
- Barrier properties, especially to carbon dioxide, water steam and oxygen
- High mechanical resistance and to the attack of different chemicals
- Versatile shape of packages or containers of the end product
- Light weight
- 100% recyclable

The main applications of our PET are:

- Sodas
- Mineral water
- Isotonic beverages
- Juices
- Tea
- Oils
- Liquors
- Pharmaceutical products
- Food
- Cosmetics
- Agrochemicals

Nuestros productos

Resinas EKO®PET



Our EKO®PET resin was approved to manufacture food-contact packages by the FDA, EFSA and Invima. In addition, this resin was approved by the major beverage brands of Colombia and the world.

EKO®PET is suitable to produce non-returnable packages and displays features which allow it to heat quickly in blowers and thermoforming machines.

The manufacturing of this resin requires the transformation of millions of post-consumption PET bottles, creating significant social and environmental benefits and closing the life cycle of this material.

We have one of the most modern plants of the work, where we manufacture bottles 100% with

EKO®PET, and with properties similar to the virgin resin.

PROPIEDADES	EKO PET
Relative viscosity (dl/g)	0.82 - 0.87
Acetaldehydes (ppm)	Max 1.2
Humidity when packaging (%)	Max. 0.20

Presentation and Packaging

The resin is presented as chips with a low humidity content, and packed in polypropilene supersacks with an internal polyethelene bag.

PET Resins



We are pioneers in the production of virgin PET in the Andean Region.

Our PET resin is used to produce non-returnable packages, injection, lamination and thermoforming for products such as glasses, trays and food packaging.

PROPIEDADES	EKO PET
Relative viscosity (dl/g)	0.82 - 0.87
Acetaldehydes (ppm)	Max 1.0
Humidity when packaging (%)	Max. 0.20

Presentation and Packaging

The resin is presented as chips with a low humidity content, and packed in polypropilene supersacks with an internal polyethelene bag.

Nylon 6 Resins

Our Nylon 6 resins are primarily used in the industries of coating electrical wires, engineering plastics, among others, and are UL certified.

In addition, these resins are suitable for the production of textile and industrial filaments, to manufacture tire cords, fibers for carpets, and cords to produce fishing nets and yarns, among other applications..

PROPERTIES	Semi-dull	Bright – Mean viscosity	Bright – High viscosity	Bright – High viscosity and heat resistance (*)	Bright – High viscosity and UV light resistance UV
Relative viscosity (Formic acid)	2.34 ± 0.04	2.52 ± 0.04	2.80 ± 0.04	3.00 ± 0.04	3.05 ± 0.05
TiO2 content (%)	0.27 ± 0.025	0.0	0.0	0.0	0.0
Humidity content (%)	0.060 ± 0.020	Max. 0.050	Max. 0.050	0.055 ± 0.025	0.055 ± 0.025

(*) Heat resistance system based on copper.

Other relative viscosity levels may be design according to customer requirements.

Presentation and Packaging

The material is presented in low-humidity chips. The resin is available in two presentations: polypropilene supersacks with aluminum foil, and polypropilene bags of 25 kg.