RePEBOlen

We give plastic a second life.

From waste to resource,
polyethylene becomes the future.

RECYCLING FOR TOMORROW: TRANSFORMING WASTE INTO OPPORTUNITY

PEBO
our company

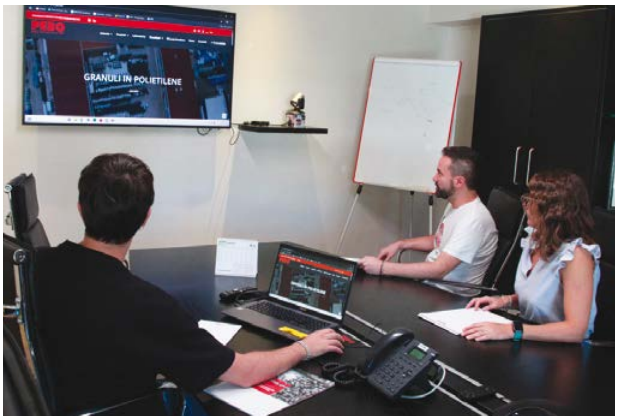
PEBO was established in 1987 in Tuscany with the aim of producing the highest quality compound, starting from recycling plastic waste.

The company operates on a 30.000 m² site and employs over 50 people who manage:

- **Advanced compounding lines**
- **Integrated shredding, grinding and washing system**
- **High tech washing line for grinded scraps with water decontamination system**
- **High Tech Laboratory**
- **Optical colour sorting machine**

Thanks to our high tech laboratory, we are able to select and guarantee high-quality compounds suitable for extrusion, blow moulding, and special applications.

PEBO is fully equipped with technologies and systems aligned with Industry 4.0 standards.
Experience, reliability, and quality are the foundation of our success.



recycling

PEBO was among the first European companies to produce compounds from recycled plastic.
Today, **PEBO** continues its mission to prevent a valuable resource like plastic from becoming a serious environmental threat.

The company regenerates 55.000 tons of Polyethylene per year, significantly contributing to energy savings, the reduction of CO_2 emissions and, most importantly, the prevention of plastic dispersion into the environment.

PEBO sources waste plastic materials from both industrial sectors and post-consumer collection systems and transforms them into second-life plastic raw materials through a process of volumetric reduction and washing, using filtered water in a closed-loop system.

The recycled material is then compounded into new materials, ready to be used in the production of industrial goods.

PEBO
certified and sustainable

SUSTAINABILITY REPORT

Each year, **PEBO** publishes its Sustainability Report which outlines the key ESG *(Environmental Social Governance)* topics through which the company communicates its commitment to sustainability, the results achieved, and future goals.

This approach to increasingly relevant issues in today's economic and social landscape also serves to demonstrate, through risk analysis, the company's resilience to adverse impacts. This resilience is a strong indicator of reliability and business continuity, offering assurance of proper execution of supplies and operations, aspects of growing importance for both suppliers and customers.

The Sustainability Report is verified by an independent third-party organization in accordance with the 2023 GRI (Global Reporting Initiative) standards and is available for download on the website ***www.pebospa.com***

LCA

LIFE CYCLE ASSESSMENT

The LCA study assesses the environmental impacts, including the carbon footprint, generated by the various processes involved. It helps identify those with the greatest impact, allowing for targeted actions to reduce or offset critical issues.

This calculation process evaluates environmental loads, energy use and waste throughout the life cycle of a product or process, from raw material extraction to final disposal.

RePEBOlen

recycle for a Better Future

This is our recycled polyethylene pellet, **PSV-certified as it meets all the required criteria.**
This material reflects our commitment to providing high-quality, sustainable solutions for various industrial sectors.
ONE PELLET AT A TIME, we are building a sustainable future.

1. It diverts HDPE waste that would normally end up in landfills or incinerators and puts it back into circulation.
2. It partially or fully replaces virgin, fossil-based material, offering a significantly lower overall environmental impact.
3. Its carbon footprint is approximately five times lower than that of virgin raw material.
4. The energy consumption of its production process is approximately ten times lower than that of virgin material.

GENERAL IMPACT

RECYCLED HDPE

APPROX. 6 TIMES LESS IMPACTFUL

than **VIRGIN HDPE**

ENERGY CONSUMPTION

RECYCLED HDPE

APPROX. 10 TIMES LESS IMPACTFUL

than **VIRGIN HDPE**

CARBON FOOTPRINT

RECYCLED HDPE

APPROX. 5 TIMES CO_2/TON LESS IMPACTFUL

than **VIRGIN HDPE**

***PSV** is an environmental product certification dedicated to materials and products made from the recovery of plastic waste.*
This certification attests to the quality, traceability, and technical compliance of the recycled materials used.

***PSV** guarantees full traceability throughout the recycled material supply chain and certifies the actual recycled plastic content, calculated according to the criteria established by the UNI EN ISO 14021 standard.*
Certified materials comply with the technical requirements defined by the UNI UNIPLAST 10667 series of standards and adhere to European directives on traceability and conformity assessment, as outlined in the EN 15343 standard.

PSV FROM SEPARATE WASTE COLLECTION

It certifies the recycled content and traceability of materials, semi-finished products, and finished goods made using between 30% and 100% polymers derived from separate collection waste or other post-consumer streams.

60% | 80% | 90% | 95%

PSV FROM INDUSTRIAL WASTE

It certifies the recycled content and traceability of materials, semi-finished products, and finished goods made using between 30% and 100% polymers derived from industrial waste.

60% | 80% | 90% | 95%

PSV MIX ECO

It certifies the recycled content and traceability of materials, semi-finished products, and finished goods made using polymers derived from separate collection waste and/or industrial waste.

30% | 50% | 80% | 90% | 95%

PSV BY-PRODUCT

It certifies plastic materials managed as by-products (pre-consumer plastic residues, trims, and industrial waste originating from polymer production or processing, which are actually used in the same or subsequent plastic manufacturing processes by the producer or third parties, without any treatments beyond standard industrial practices, as they already meet the sector's quality requirements, for further plastic production or processing activities) and/or materials, semi-finished products, and finished goods made with such by-products.

30% | 50% | 80% | 90% | 95% | 100%

our production

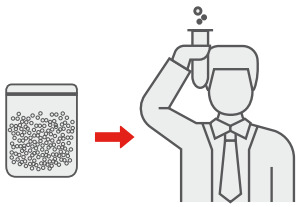
The raw materials used for the production of our compounds come from:

- **Industrial plastic waste**
- **Recycled post-consumer materials**
- **Off-spec. virgin polyethylene resin**
- **Chemical additives**

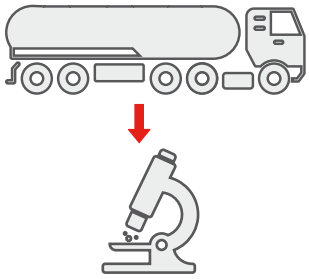
PEBO has equipped all the production lines with the latest technology filters that guarantees a filtration of the material up to 80 micron.

The production cycle consists in six main stages:

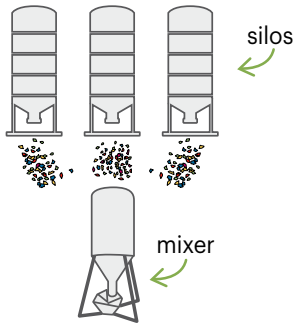
1 | Sampling



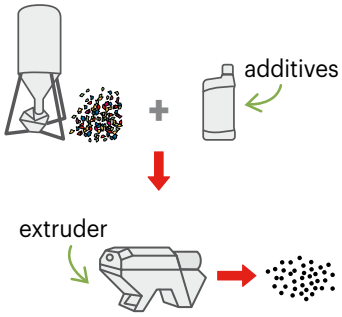
2 | Incoming material tests



3 | Blending

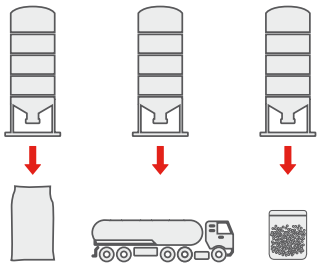


4 | Extrusion of granules



5 | Definition of characteristics

6 | Packaging and storage



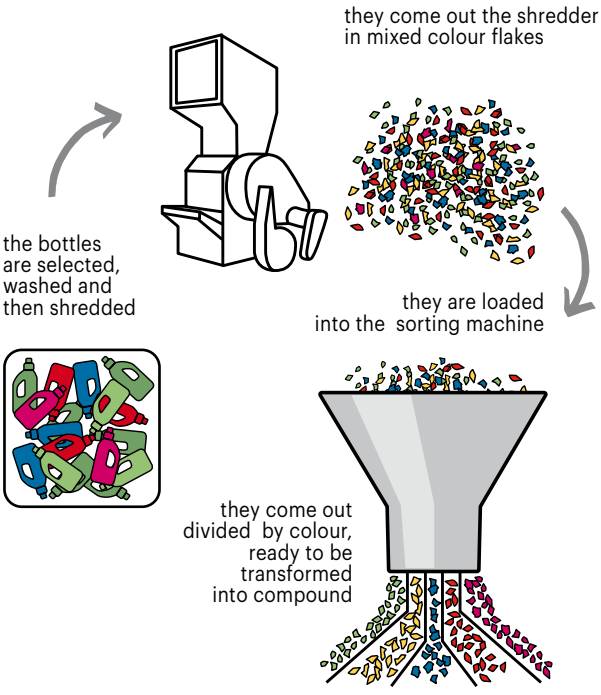
optical colour sorting machine

Optical sorting is essential in any plastic processing operation as it helps you to achieve a purer quality of products. Our sorting equipment uses a range of technologies including cameras, lighting and machine learning software. It can sort and remove product defects and foreign materials by colour, shape and texture.

Our product tracking software accurately classifies each grain as either accepted or rejected, minimizing recirculation of unclassified granules. This helps to reduce energy consumption, wear on ejectors, and downtime from clearing product build-up.

The optical sorter is equipped to remove typical defects in HDPE (milk bottles, bottle caps, detergent and shampoo bottles) such as coloured PE and PP, packaging labels, aluminium and wood to help us meet the requirements to obtain near pure resin streams.

This machinery helps us to obtain better colour sorted materials, to produce granules with a more homogeneous and constant colour for each supply.



our quality

The Laboratory is the heart of **PEBO** success. Thanks to its sophisticated technology and skilled technicians, **PEBO** guarantees a constant quality control of the production processes and of the compound, from the first stage of production up to the final shipment.
The secret of **PEBO** quality is a fine selection of raw materials and its accurate blending before extrusion.

testing lab

TYPE OF TEST	SCOPE
M.F.I. Method ISO 1133 Unit g/10min	Certifies the fluidity of the material
DENSITY (g/cm^3)	Certifies the density of the materials. The product can be classified as either high or low density
D.S.C. (min)	To identify contamination of different materials: for example percentage of polypropylene
O.I.T. (min)	Resistance to oxidation aging
HUMIDITY (ppm)	To check the presence of water
TGA Carbon black content (%) Inorganic fillers (%)	To check the percentage of carbon black content and inorganic fillers
FTIR	To identify the type of plastic

Lab analysis are carried out on resin compound before shipment and quality certificates are supplied with shipping documents.

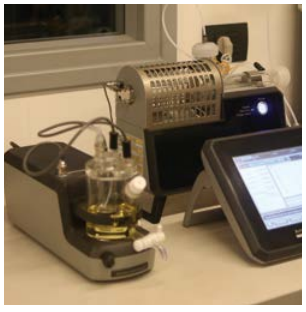
Density

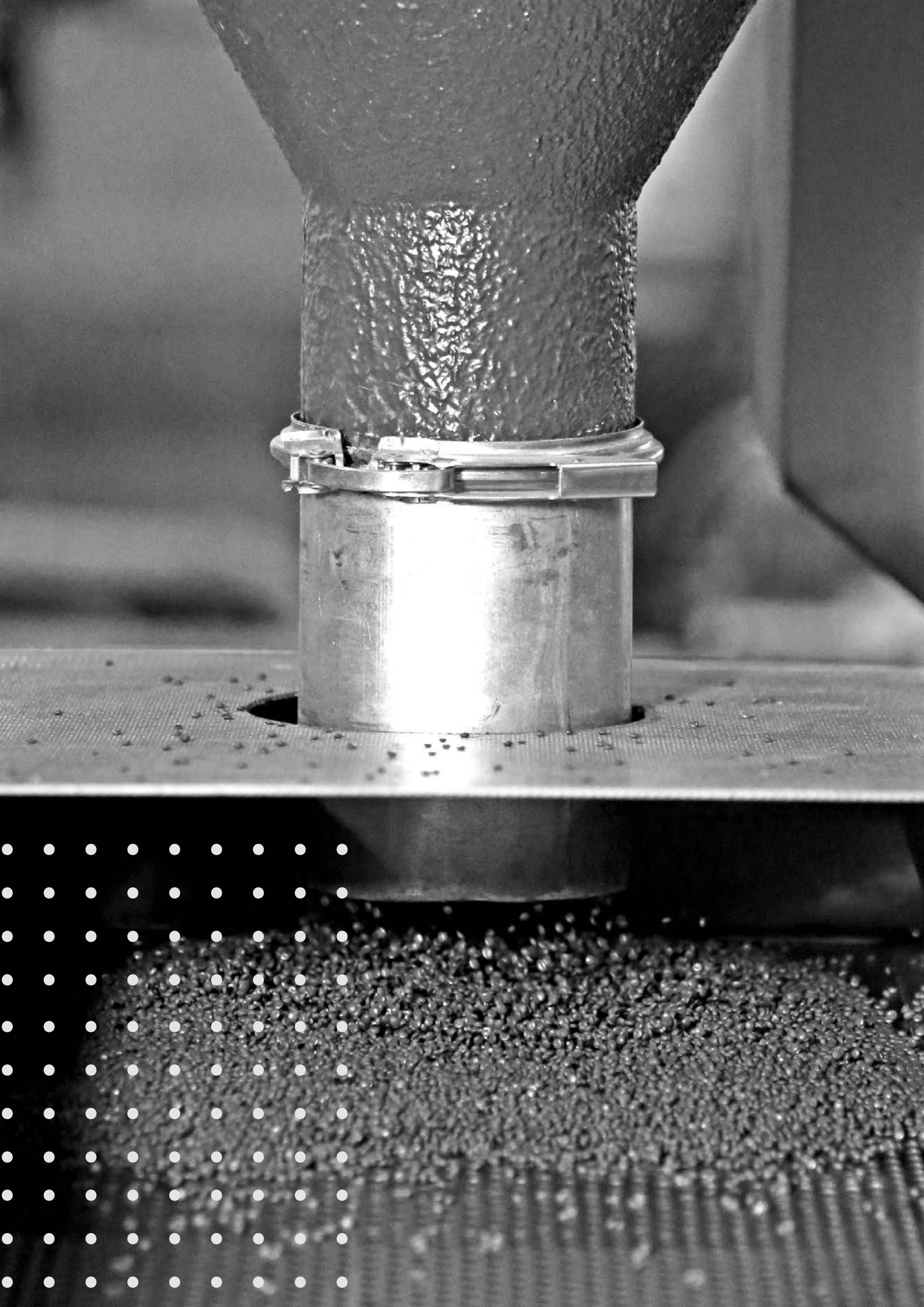
DSC
differential scanning calorimetry

FTIR
spectrometer

Modular melt flow index tester

Karl fisher coulometer





our compound

UNI EN ISO 14001 n. 183

UNI EN ISO 9001 n. 841

Certificazione di Prodotto BUREAU VERITAS Certification

Product certification

plastic second life

More than
30 years
of experience

All our Polyethylene compounds are produced with the latest technologies:

- **Twin screw extruders**
- **High precision gravimetric dosing systems**
- **Advanced filtration technology**
- **Stripping System**

01 HDPE extrusion line

02 HDPE blow moulding line

03 LDPE extrusion line

HDPE **80100**

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

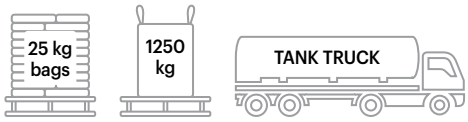
PIPES
high quality smooth pipes

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.08 - 0.18	ISO 1133
190°C - 5 kg	g/10 min	0.35 - 0.70	ISO 1133
DENSITY*	g/cm^3	0.950 - 0.965	ISO 1183
MELTING POINT	°/C	130 - 138	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 450	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	19 - 22	ISO 527-1
O.I.T. 200°C*	minutes	> 20	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials – treatment options for odour reduction		
OTHER POLYMERS	slight traces in the formulations of the original products		
ASH, METALS	slight traces in the formulations of the original product		

Product Notes:
Produced with recycled materials and **off grade materials**, with the addition of carbon black to improve UV resistance and antioxidants to enhance resistance to oxidation. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE **80075**

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

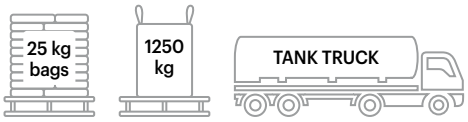
PIPES
smooth pipes

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.08 - 0.18	ISO 1133
190°C - 5 kg	g/10 min	0.35 - 0.70	ISO 1133
DENSITY*	g/cm^3	0.950 - 0.965	ISO 1183
MELTING POINT	°/C	132 - 138	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 450	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	18 - 21	ISO 527-1
O.I.T. 200°C*	minutes	> 20	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	slight traces in the formulations of the original products		
ASH, METALS	slight traces in the formulations of the original product		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance and antioxidants to enhance resistance to oxidation. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE **80070**

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

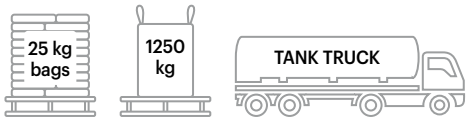
PIPES
smooth pipes

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.08 - 0.18	ISO 1133
190°C - 5 kg	g/10 min	0.35 - 0.70	ISO 1133
DENSITY*	g/cm^3	0.945 - 0.965	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 350	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	17 - 21	ISO 527-1
O.I.T. 200°C*	minutes	> 20	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 2 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance and antioxidants to enhance resistance to oxidation. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE 8330 plus

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

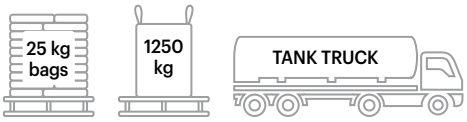
PIPES
smooth pipes

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.1 - 0.19	ISO 1133
190°C - 5 kg	g/10 min	0.4 - 0.75	ISO 1133
DENSITY*	g/cm^3	0.945 - 0.965	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 350	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	16 - 21	ISO 527-1
O.I.T. 200°C*	minutes	> 20	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 5 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance and antioxidants to enhance resistance to oxidation. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE 8330

WITHOUT ANTIOXIDANT

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

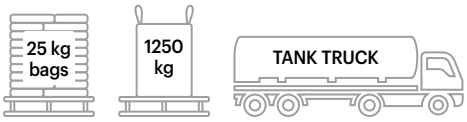
PIPES
smooth pipes

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.1 - 0.19	ISO 1133
190°C - 5 kg	g/10 min	0.4 - 0.75	ISO 1133
DENSITY*	g/cm^3	0.945 - 0.965	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 350	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	16 - 21	ISO 527-1
O.I.T. 200°C*	minutes	-----	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 5 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE **80060**

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

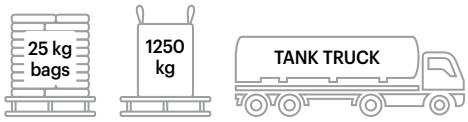
PIPES
electric cable coating and steel pipe coating

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.15 - 0.4	ISO 1133
190°C - 5 kg	g/10 min	0.6 - 1.2	ISO 1133
DENSITY*	g/cm^3	0.950 - 0.965	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 350	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	18 -21	ISO 527-1
O.I.T. 200°C*	minutes	> 20	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 2 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance and antioxidants to enhance resistance to oxidation. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE **80080**

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

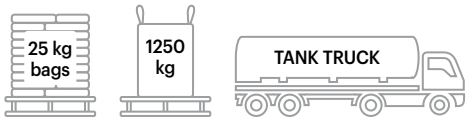
PIPES
spiral pipes

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.1 - 0.16	ISO 1133
190°C - 5 kg	g/10 min	0.4 - 0.65	ISO 1133
DENSITY*	g/cm^3	0.950 - 0.965	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 350	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	18 - 21	ISO 527-1
O.I.T. 200°C*	minutes	> 20	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials - treatment options for odour reduction		
OTHER POLYMERS	%	PP < 2 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance and antioxidants to enhance resistance to oxidation. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE 6100

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

PIPES
corrugated pipes for
telecommunications and drainage

BOTTLES AND TANKS

scan to request more information

COLOR

black

grey

red

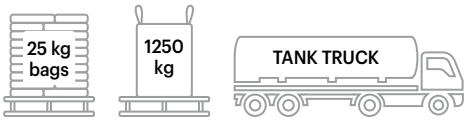
blue

white

matt

matt dark

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.25 - 0.65	ISO 1133
190°C - 5 kg	g/10 min	1 - 2.5	ISO 1133
DENSITY*	g/cm^3	0.955 - 0.975	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK* (only black colour)	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 450	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	20 - 26	ISO 527-1
O.I.T. 200°C*	minutes	-----	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials - treatment options for odour reduction		
OTHER POLYMERS	%	PP < 6 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of masterbatches only where required, depending on the colour.
Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE 6100C

WITH CALCIUM CARBONATE

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

PIPES
corrugated pipes for
telecommunications and drainage

scan to request more information

COLOR

black

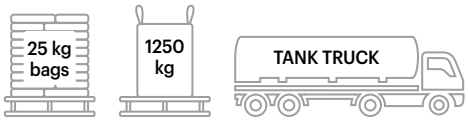
grey

red

blue

white

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg 190°C - 5 kg	g/10 min g/10 min	0.25 - 0.65 1 - 2.5	ISO 1133 ISO 1133
DENSITY*	g/cm^3	0.970 - 1.03	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK* (only black colour)	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 450	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	20 - 26	ISO 527-1
O.I.T. 200°C*	minutes	-----	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 6 %	DSC
ASH, METALS	traces in the formulations of the original products, $CaCO_3$ added		
$CaCO_3$*	%	5 - 10	TG

Product Notes:
Produced with recycled materials with the addition of masterbatches to improve UV resistance.
Calcium carbonate **($CaCO_3$)** is added to enhance mechanical properties, particularly crush resistance. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

HDPE 6030

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

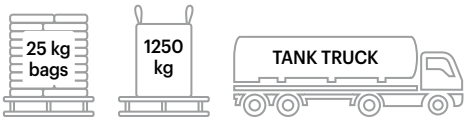
PIPES
corrugated pipes for sewage and drainage

scan to request more information

COLOR

black

PACKAGING



PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.2 - 0.4	ISO 1133
190°C - 5 kg	g/10 min	0.85 -1.5	ISO 1133
DENSITY*	g/cm^3	0.955 - 0.980	ISO 1183
MELTING POINT	°/C	130 - 135	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 450	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	19 - 24	ISO 527-1
O.I.T. 200°C*	minutes	-----	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 6 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance.
Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

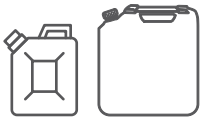
HDPE 7000 NEW

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

PIPES
Microducts and microduct bundles for fiber optic



JERRYCANS AND TANKS

scan to request more information

COLOR

matt

PACKAGING

PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 5 kg	g/10 min	0.2 - 0.6	ISO 1133
DENSITY*	g/cm^3	0.950-0.965	ISO 1183
MELTING POINT	°/C	130 - 137	DSC
TENSILE STRAIN AT BREAK	%	> 450	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	18-22	ISO 527-1
O.I.T. 200°C*	minutes	-----	ISO 11357-6
HUMIDITY	ppm	< 400	Karl Fischer
SMELL	typical odour of regenerated materials - treatment options for odour reduction		
OTHER POLYMERS	%	PP < 3 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

LDPE 1410

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

PIPES
smooth pipes for irrigation

scan to request more information

COLOR

black

PACKAGING

PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.25 - 0.65	ISO 1133
190°C - 5 kg	g/10 min	1 - 2.5	ISO 1133
DENSITY*	g/cm^3	0.925 - 0.938	ISO 1183
MELTING POINT	°/C	110 - 113	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 200	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	10 - 18	ISO 527-1
O.I.T. 200°C*	minutes	-----	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 4 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**

LDPE 1410S

WITH VIRGIN LLDPE

AVAILABILITY

PEBOlen / RePEBOlen

APPLICATIONS

PIPES
smooth pipes for irrigation

BAGS

scan to request more information

COLOR

black

PACKAGING

PROPERTY	UNIT	VALUE	TEST METHOD
MELT FLOW RATE*			
190°C - 2.16 kg	g/10 min	0.25 - 0.70	ISO 1133
190°C - 5 kg	g/10 min	1 - 2.8	ISO 1133
DENSITY*	g/cm^3	0.920 - 0.935	ISO 1183
MELTING POINT	°/C	110 - 113	DSC
CARBON BLACK*	%	2 - 2.5%	ISO 6964
TENSILE STRAIN AT BREAK	%	> 200	ISO 527-1
TENSILE STRENGHT AT BREAK	MPa	10 - 18	ISO 527-1
O.I.T. 200°C*	minutes	-----	ISO 11357-6
HUMIDITY	ppm	< 600	Karl Fischer
SMELL	typical odour of regenerated materials		
OTHER POLYMERS	%	PP < 4 %	DSC
ASH, METALS	slight traces in the formulations of the original products		

Product Notes:
Produced with recycled materials with the addition of carbon black to improve UV resistance.
LLDPE added to increase the elasticity of the material. Not suitable for food contact.
All information contained in this sheet is purely indicative. It is therefore advisable to contact the company directly for specific requests, particular uses, or different and/or customized formulations. **Automatic filtration up to 100 microns.**
*** these parameters can be changed according to customers requests.**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