ALPIL PLASTICS & RECYCLING

PRODUCT CATALOGUE

Recycled Polymer Granules

rLDPE · rHDPE · rPP

Manufactured at our own recycling plant in Adana, Türkiye, for film, pipe, panel and injection moulding producers worldwide.



5,000 t
monthly production capacity

3 polymers
LDPE, HDPE and PP granules

Since 1990
in the plastics business

ABOUT ALPIL

A family business in plastics since 1990

ALPIL Plastics & Recycling operates a licensed plastics recycling plant in Adana, Türkiye. Our roots go back to 1990, when the family founded Celaloğlu Plastik. ALPIL was established in 2014 and today carries the family's plastics recycling business forward. We source post-industrial and post-consumer plastic waste from Türkiye, the EU and the UK, process it on our own sorting, washing and extrusion lines, and supply recycled LDPE, HDPE and PP granules to manufacturers at home and abroad.

1990

Celaloğlu Plastik

The family entered plastics recycling in Adana.

2014

ALPIL is established

The family established ALPIL for its manufacturing activities, including aluminium composite panels. This gave us first-hand knowledge of the core materials the panel industry requires.

Today

Integrated recycling plant

ALPIL focuses fully on plastics recycling, from sourcing waste in Türkiye and Europe to supplying recycled granules to manufacturers.

What we do

Waste sourcing

Baled PE and PP film and packaging waste from Türkiye, the EU and the UK, imported under green-list procedures.

Recycling

Sorting, shredding, washing and extrusion with melt filtration at our own plant in Adana.

Granule supply

Recycled LDPE, HDPE and PP granules for film, pipe, panel and injection moulding manufacturers.

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FACILITY & PROCESS

From plastic waste to granules, under one roof



Our plant in Adana



Shredding and washing line



Extrusion and pelletising



Finished granules in big bags

5,000 t
monthly production capacity

3 × 2.55 t/h
rated extrusion output

7,000 m²
site, 5,000 m² covered

2 ports
Mersin and İskenderun, both near the plant

How we work

1

Sourcing

Baled PE and PP film and packaging waste from Türkiye, the EU and the UK.

2

Sorting & washing

Bales are inspected, sorted, shredded and washed to remove labels, dirt and contaminants.

3

Extrusion

Clean flakes are melted, filtered and pelletised into uniform granules.

4

Packing & shipping

Granules are packed in big bags and shipped by truck or in containers via Mersin or İskenderun.

PRODUCT RANGE

Three polymers, one manufacturer

We recycle polyethylene and polypropylene waste into granules for the most common processing methods. Every grade is produced on our own lines, so different products can be combined in one shipment and quality stays consistent from order to order.



rLDPE

Low-density polyethylene

For blown film and flexible pipe extrusion.

Greenhouse film · Refuse sacks · Bubble wrap · Coil pipes and conduits · Composite panel cores



rHDPE

High-density polyethylene

For rigid moulded parts and pipes that require chemical and impact resistance.

Drums · Waste bins · Irrigation and corrugated pipes · Crates · Pallets



rPP

Polypropylene

For injection-moulded products that require strength and easy processing.

Crates · Pallets · Drainage pipes · Pots · Garden furniture · Household goods

Colours



Black



Blue



Red



Green



Natural

Black is our standard colour. We also produce blue, red, green and other colours, as well as natural, an uncoloured honey-tone grade made from clean industrial film. Colour availability varies by polymer and grade, so please confirm your requirement with our sales team. To match a specific shade, send us a sample or colour reference.



PRODUCT 01

Recycled LDPE (rLDPE)

A consistent, cost-efficient alternative to virgin LDPE for blown film and flexible pipe production. Our rLDPE is made from sorted post-consumer LDPE film and polyethylene packaging, then washed, melt-filtered and pelletised in-house at our plant in Adana.

- **Stable melt flow**
- **Traceable from bale to bag**
- **Supports recycled-content targets**

Typical properties

Base polymer	**LDPE-based polyethylene**
Melt flow rate (190 °C / 5 kg)	**4.77 g/10 min**
Density (typical range)	**0.92–0.94 g/cm³**
Melt filtration, standard grade	**1,120 µm**
Melt filtration, film grades	**Finer screens**
Form	**Granules**

Processing methods

Blown film extrusion
Greenhouse film, refuse sacks and bubble wrap

Pipe extrusion
Coil pipes and electrical conduits

Sheet extrusion
Cores for aluminium composite panels

Colours

Black is standard. Other colours vary by grade; please confirm availability with our sales team.



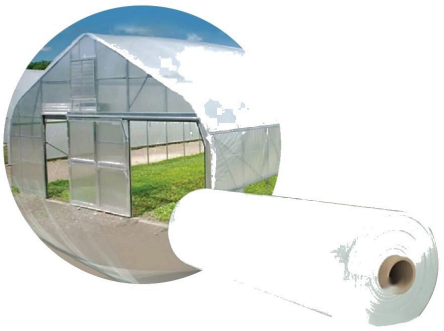
Black Blue Red Green Natural

MFR and filtration: TSE tests on production samples, Feb. 2025. Typical values, not a specification.

APPLICATIONS

Applications for Recycled LDPE

Typical end products made by film, pipe and panel manufacturers using rLDPE.



Greenhouse film
Agricultural covering film



Bubble wrap
Protective packaging film



Refuse sacks
Household and industrial waste bags



Coil pipes
Flexible polyethylene pipes



Electrical conduits
Cable protection pipes



Composite panel cores
Aluminium composite panels

Images show typical end products manufactured from recycled granules.



PRODUCT 02

Recycled HDPE (rHDPE)

A robust recycled HDPE for rigid moulded products and pipes that require good chemical and impact resistance. Our rHDPE is made from sorted HDPE packaging and rigid waste, then washed, melt-filtered and pelletised in-house at our plant in Adana.

- **Good impact resistance**
- **Chemical resistance**
- **Supports recycled-content targets**

Typical properties

Base polymer	**High-density polyethylene**
Melt flow rate	**Grade-dependent, on request**
Density (typical range)	**0.94–0.96 g/cm³**
Form	**Granules**

Processing methods

Blow moulding
Drums and jerrycans

Injection moulding
Waste bins, crates and pallets

Pipe extrusion
Irrigation, drip and corrugated pipes

Colours

Black is standard. Other colours vary by grade; please confirm availability with our sales team.



Black · Blue · Red · Green · Natural

Typical values for the polymer, not a specification. Grade data is available on request.

APPLICATIONS

Applications for Recycled HDPE

Typical end products made by moulding and pipe manufacturers using rHDPE.



Drums and jerrycans
Blow-moulded containers



Waste bins and containers
Wheeled bins and municipal containers



Irrigation pipes
Agricultural water pipes



Drip irrigation pipes
Drip lines for agriculture



Corrugated pipes and fittings
Drainage and infrastructure pipes



Fruit and vegetable crates
Agricultural and logistics crates



Pallets
Plastic pallets for logistics

Discuss your application

Tell us your product and process, and our team will recommend a suitable grade.

Images show typical end products manufactured from recycled granules.



PRODUCT 03

Recycled Polypropylene (rPP)

A dependable recycled polypropylene for injection-moulded products that require good strength and easy processing. Our rPP is made from post-consumer packaging and rigid PP, then washed, melt-filtered and pelletised in-house at our plant in Adana.

- **Good impact strength**
- **Traceable from bale to bag**
- **Supports recycled-content targets**

Typical properties

Base polymer	**Polypropylene**
Melt flow rate (230 °C / 2.16 kg)	**4.05 g/10 min**
Density (typical range)	**0.90–0.91 g/cm³**
Charpy impact strength, unnotched (ISO 179-1)	**24 kJ/m²**
Form	**Granules**

Processing methods

Injection moulding
Crates, pallets, pots, furniture and household goods

Pipe extrusion
Three-layer sound-insulating drainage pipes

Compounding
Base material for filled and modified grades

Colours

Black is standard. Other colours vary by grade; please confirm availability with our sales team.



Black · Blue · Red · Green · Natural

MFR and impact: TSE tests on production samples, Feb. 2025. Typical values, not a specification.

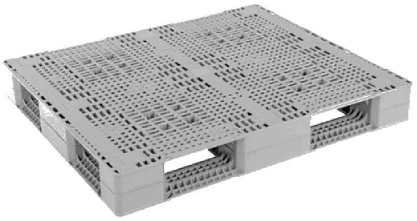
APPLICATIONS

Applications for Recycled PP

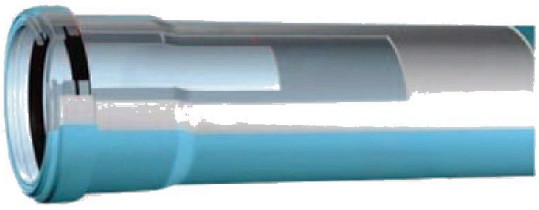
Typical end products made by injection moulders and pipe producers using rPP.



Plastic crates
Agricultural and logistics crates



Plastic pallets
Pallets for storage and transport



Sound-insulating drainage pipes
Three-layer drainage pipe systems



Household products
Storage units, bins and buckets



Flower pots
Nursery and decorative pots



Garden furniture
Tables and chairs



Drainage grates
Channel and grating systems

Discuss your application

Tell us your product and process, and our team will recommend a suitable grade.

Images show typical end products manufactured from recycled granules.

QUALITY & LICENCES

Consistent quality, fully licensed

In-house quality control

Incoming bales are inspected for polymer type and contamination. Material is sorted and washed, the melt is filtered on every line, and production batches are tested in our laboratory for density, melt flow rate, tensile strength, elongation and ash content.

Independent testing

Production samples of rLDPE and rPP were tested by the TSE Chemistry Laboratory (TÜRKAK-accredited, ISO/IEC 17025) in February 2025 and characterised in accordance with EN 15344 and EN 15345. The results apply to those samples.

Certification status

The test reports are not product certifications. Values in this catalogue are typical values, not a specification. Batch results and technical data sheets are available on request.

Licences and documents

DOCUMENT	ISSUED BY	SCOPE
Environmental Permit	Ministry of Environment, Urbanisation and Climate Change	Recovery of non-hazardous waste; air emissions
Plastic Waste Importer Registration	Ministry of Environment, Urbanisation and Climate Change	Import of plastic waste for recycling, renewed annually
Capacity Report	Union of Chambers and Commodity Exchanges of Türkiye (TOBB)	Certified production capacity of the plant
Industrial Registry Certificate	Ministry of Industry and Technology	Registered industrial manufacturing facility
Laboratory Test Reports	Turkish Standards Institution (TSE)	Characterisation of rLDPE and rPP production samples

Copies of these documents are available to customers and partners on request.

Supply and export logistics

Packaging

Big bags suitable for truck and container loading.

Export ports

Container shipments via Mersin or İskenderun.

Domestic delivery

Truck delivery to manufacturers across Türkiye.

Samples

Available for customer qualification before first orders.

WHY ALPIL

Why manufacturers choose ALPIL

More than three decades in plastics, an integrated recycling plant and direct access to two Mediterranean ports.

01 Fully licensed operation

We hold an environmental permit for non-hazardous waste recovery and are a registered plastic waste importer with the Ministry of Environment, Urbanisation and Climate Change.

02 Tested quality

Production batches are checked in our in-house laboratory, and rLDPE and rPP samples have been tested by an ISO/IEC 17025-accredited laboratory.

03 Long-term supply

With 5,000 t of monthly production capacity across three extrusion lines, we can support long-term supply agreements.

04 Two export ports

Our plant in Adana is close to the ports of Mersin and İskenderun, with regular container services to Europe, the Middle East and beyond.

Request samples, technical data and a quotation

Tell us your application, polymer, colour and monthly volume. We will reply with technical data, a sample offer and a quotation.

ALPİL PLASTICS & RECYCLING

Plastic Waste Sourcing | Recycling & Processing | Recycled Plastic Granules

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SCAN TO VISIT

ALPİL Alüminyum Metal Plastik Geri Dönüşüm Reklam Ürünleri Kompozit İmalat Nakliyat İnşaat Taahhüt İthalat İhracat ve Pazarlama Sanayi Ticaret Limited Şirketi