



Recycling Excellence

Ravago Manufacturing: Solutions for almost every need!

















Ravago Manufacturing is a global producer of high-quality plastic compounds including polyolefins, thermoplastic elastomers, rubbers and engineering plastics. We offer both virgin and recycled grades in many polymer types and have extensive knowledge and expertise in the plastics industry. We work together with our customers to deliver solutions for their most demanding application needs.



Excellent quality compounds from recycled plastics

Ravago Manufacturing produces plastic compounds for applications where recycled content and performance are of a high priority. Our extensive portfolio of polyolefins and engineering plastics containing both pre- and post-use recycled materials are available with a range of characteristics such as heat resistance, chemical resistance, impact resistance, mechanical strength and more.

Our compounds contain a range of fillers and additives to suit your needs:

Sicoklar® ECO PC Recycled		Mafill® PP Recycled		Ravalene® HDPE Recycled	
Ravapura® ABS Recycled		Ravaplen® PP Near prime		Ravapura® HDPE Recycled	
Sicoflex® ECO ABS Recycled		Ravapura® PP Recycled		Ravalene® LLDPE Recycled	
Mablex® ECO PC/ABS Recycled		Ravalene® LDPE Recycled		Ravapura® LLDPE Recycled	
Ravamid® PA Recycled		Ravapura® LDPE Recycled		Ravaflex® rubber Recycled	
Ravapura® PS Recycled					

Recycling excellence

Recycling is our legacy and has been at the heart of our company since it was founded in 1961. We aim to continuously improve on our existing recycling expertise and capabilities to achieve recycling excellence. To us, this is about recreating the highest possible material quality and value in economical and environmentally positive ways, and we achieve this through:



We understand that it is not always easy to make the switch to using recycled content due to challenges faced with material quality, product availability and establishing value chain collaborations. Through our global reach, in-depth recycling expertise and compounding capabilities across many feedstock types, we can help you overcome these challenges and support both our direct customer and brand owners on their plastics roadmap journey towards net zero.

Supporting our customers in the circular economy

Together with product manufacturers, we help our customers design more recyclable products, made from more recycled materials, based on the guidelines from PolyCE. By working through and finding answers to the below questions, we aim to find more sustainable ways to use precious plastic materials.

Reduce

- Can we use less material?
- Can we reduce the dependence on virgin material by substituting with recycled materials?
- Can we reduce the CO₂-footprint by switching to more energy-efficient materials?



Reuse

- Can we ensure the plastic material retains its performance longer to reduce the need for replacement?
- Can we ensure the plastic part can be repaired more easily throughout the product lifespan?



Recycle

- Can we design the product to fit into an established collect-to-sort-and-recycle routes?
- Can we design the product so that it maintains material characteristics even in its next circular life?



Unique in the recycling market

We are proud of the unique capabilities we have developed in recycling. What sets us apart is:

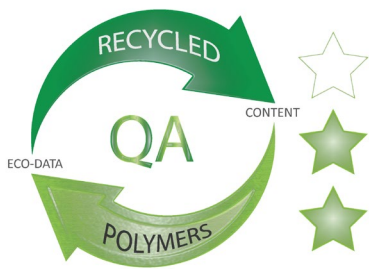
- Our vast experience in plastics recycling that has been developed over the last 60 years
- Our focus on recycled plastics and rubbers at scale across products and geographies
- Our core capability and expertise in regrinding, recycling, formulating and compounding
- Our diverse portfolio of material solutions that includes post-industrial and post-consumer recycled feedstocks
- Our know-how and commitment to expanding and growing the use of recycled materials beyond individual projects
- Our willingness to build on our knowledge by investing in chemical recycling, as well as mechanical methods



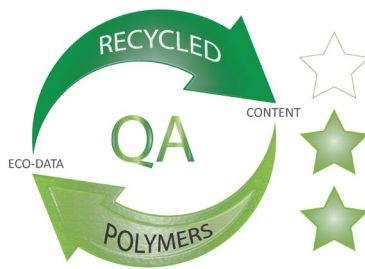
Standards & certifications

QA-CER certification

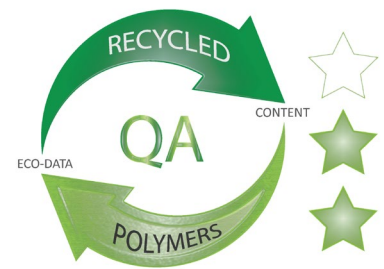
The QA-CER certification scheme falls under the PolyCert Europe umbrella of certification schemes, and is an international, independent third-party system for certification of recycled content. The certification process involves regular audits of the control systems in place at production sites to ensure accurate determination of recycled content. With 4 of our European manufacturing sites QA-CER certified, you can be confident in the percentage of recycled materials in our products. Visit qa-cer.be to find out more.



BQA_QA-CER_C_20221104



BQA_QA-CER_C_2020944



BQA_QA-CER_C_20211010

ISO 14021:2016

ISO 14021:2016 is a standard we use to voluntarily claim the environmental performance of our products. This standard ensures that self-declared environmental claims fulfill specific requirements and provides a general evaluation and verification methodology for consistency between manufacturers. Contact us to find out more about how we comply with this standard and to request product declarations.

Recycled engineering plastics compounds

Our high-performance recycled engineering plastics are available with a range of fillers and additives included to achieve the properties required for your demanding applications. All grades are ISO 14021:2016 compliant, confirming their recycled content and recyclability.



Sicoklar® ECO PC

These recycled polycarbonate compounds contain up to 100% recycled content from post-industrial sources for use in challenging applications. Sicoklar ECO grades are available from unfilled to 20% glass fibre filled. Typical uses include non-transparent applications such as household appliances, lighting and automotive applications.

Key features:

- High impact strength
- Heat resistance
- Excellent dimensional stability

Ravapura® ABS

Ravapura ABS compounds contain up to 70% post-consumer recycled content. They are available in a medium and a high gloss grade, from unfilled to 20% glass fibre filled. Typical uses include aesthetic applications in small and large appliances, electrical boxes and furniture.



Key features:

- PCR based
- Consistent, high quality
- Excellent surface finish

Sicoflex® ECO ABS

Sicoflex ECO ABS compounds contain up to 100% post-industrial recycled content. Sicoflex ECO grades are available from unfilled to 15% glass fibre filled. Typical uses include structural non-visible parts in applications such as household appliances and automotive parts.

Key features:

- High impact strength
- Good processability
- Excellent dimensional stability

Mablex® ECO PC/ABS

Mablex ECO contain up to 100% recycled PC/ABS from post-industrial sources. Grades are available as unfilled or containing 10-30% glass fibre content. Typical uses include electronics, home appliances and automotive applications.

Key features:

- High impact strength
- Heat resistance
- Chemical resistance
- Balance of mechanical & thermal properties

Ravamid® PA 66 & 6

Ravamid grades contain up to 100% polyamide (PA66 and PA6) from post-industrial sources. Ravamid grades are available as unfilled or up to 50% glass fibre filled. Typical uses include automotive, household appliances and furniture applications.

Key features:

- UV resistance
- Optimised mechanical properties
- Easy flow
- OEM approved grades

Ravapura® PS

Ravapura polystyrene grades contain up to 70% post-consumer recycled content. Typical uses include non-food packaging, goods and equipment applications.



Key features:

- PCR based
- Excellent processing
- Consistent mechanical properties

Recycled polyolefin compounds

Our high-quality recycled polypropylene and polyethylene plastics are available with a range of fillers and additives included to optimize the performance characteristics needed for a wide range of molding and extrusion applications.



Mafill® PP

Our Mafill industrial quality PP compounds contain up to 100% recycled PP feedstock from both post-industrial and post-use/ post-consumer origin. Both homopolymers and copolymers are available. Typical applications include non-visible parts in automotive applications and industrial parts.

Key features:

- Black & natural colours
- Excellent surface finish
- UV resistance
- Thermal stability

Ravaplen® PP

Our Ravaplen PP compounds contain partial recycled content from post-industrial sources. The near prime quality of these grades makes them suitable for use in visible parts. Typical applications include automotive interior trims.

Key features:

- Black colour
- Excellent surface finish
- UV resistance
- Thermal stability
- Scratch resistance

Ravapura® PP

Our Ravapura PP compounds contain over 95% recycled content from post-industrial sources. A variety of grades are available for film and pipe extrusion as well as for rotational molding applications. Typical uses include flexible irrigation pipes, rigid cable production pipes, wood compounds and flexible packaging.



Key features:

- PCR based
- Black & natural colours
- Consistent homogeneous quality

Ravalene® PE

Our Ravalene HDPE, MDPE, LDPE and LLDPE compounds contain over 95% recycled content from post-industrial sources. A variety of grades are available for film and pipe extrusion as well as for rotational molding applications. Typical uses include flexible irrigation pipes, rigid cable production pipes, wood compounds and flexible packaging.

Key features:

- Black & natural colours
- Consistent homogeneous quality

Ravapura® LDPE

Ravapura PE compounds contain up to 70% recycled content from post-consumer LDPE sources. Compound combinations with LDPE, LLDPE and LDPE + LLDPE virgin grades are available and they can be used to replace virgin material to create fully transparent films. Typical uses include non-food flexible packaging applications.



Key features:

- PCR based
- Excellent processability
- Consistent natural colour
- Consistent mechanical properties
- Low gel level
- Minimal odour

Ravapura® HDPE

Ravapura HDPE compounds contain up to 75% recycled content from post-consumer sources. Typical uses include non-food packaging, household goods and electrical equipment applications.



Key features:

- PCR based
- Natural, white and a selection of grey colours available
- Mechanical property consistency from batch-to-batch

Recycled rubbers

Our premium quality recycled rubbers are made from reprocessing of post-industrial scraps using our unique processing capabilities for non-vulcanized materials. The 100% recycled content of these products has been approved by BQA according to the QA-CER certification scheme. We are also working on a project to reclaim vulcanized rubbers from whole tires – contact us to find out more.



Ravaflex®

Our Ravaflex product range consists of SBR, BR, NBR, EPDM, EPM, IIR, BIIR and CIIR grades. Different performance characteristics are available depending on the needs of the application. Typical uses include tires, conveyor belts, hoses, sports flooring, car mats, shoes, cables and playground tiles.

Key features:

- Reliable quality
- Good processability
- Compatibility with conventional rubbers

Why choose Ravago?

- Experts in recycling and compounding
- Best in class manufacturing process and quality
- Extensive production capacity for supply of large volumes
- Global presence making local sourcing available where you are
- Full-service portfolio of both virgin and recycled solutions
- Broad industry knowledge and extensive reach
- Large portfolio of colours and new colour development support
- Custom-made compounds and blends
- New investments into more sustainable manufacturing operations





Ravago Production NV

Moerenstraat 85A
2370 Arendonk
Belgium
+32 14 67 20 01

Ravago Italia S.p.A

Via Baraccone 5
24050 Mornico al Serio
Italy
+39 35 835 8580

Ravago Petrokimya Üretim A.Ş.

Çoraklar Mh. 5000 Sk.
No:7-17 AOSB Aliğa/ İzmir
Turkey
+90 850 314 70 99

Ravago Deutschland GmbH

Siemensstraße 23
48565 Steinfurt
Germany
+49 2552 9373 0

Ravago Italia S.p.A

Via Diomede Cioffi 22/C
84131 Salerno
Italy
+39 89 305 1711

Aurora Manufacturing Ltd

West Bridgewater Street
Leigh, WN7 4HB
UK
+44 1942 260324

RP Compounds

Value Park Y51
06258 Schkopau
Germany
+49 3461 493040

MagMa S.p.A

Via Di Pietro Adalgiso 10
66100 Chieti
Italy
+39 87 154 0246

Venture Polymers (UK) Ltd

West Bridgewater Street
Leigh, WN7 4HB
UK
+44 1925 661777

Ravago Italia S.p.A

Via Madonnetta 66
22070 Locate Varesino (CO)
Italy
+39 33 183 8311

Ravago Plasticos SA

Crta Alcover s/n
43141 Vilallonga del Camp
Spain
+34 97 784 04 21