





# TABLE OF CONTENTS

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A SUCCESS STORY SPANNING OVER 50 YEARS	p.02
A DIVERSIFIED AND COMPREHENSIVE PRODUCT PORTFOLIO	p.04
A CONSULTING SERVICE, EXCLUSIVE AND QUALIFIED	p.06
ENGINEERING PLASTICS	p.08
COMPOUNDS	p.12
COMMODITIES	p.16
BIOPOLYMERS	p.18
INTERNATIONALIZATION, THE BIG OPPORTUNITY	p.20
WINNING SYNERGIES TO GROW	p.22

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# A SUCCESS STORY SPANNING OVER 50 YEARS

Experience, expertise and innovation  
to meet the challenges of the market.

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Arcoplex, founded in the fifties, is now a major player in the plastics market thanks to a specialized consulting service, first quality products and, most important, accurate assistance before and after-sales. It's the company's strategy for a lasting success, the road to face the future with more efficient models and a more efficient organization and commitment in the pursuit of quality and diversification of production.

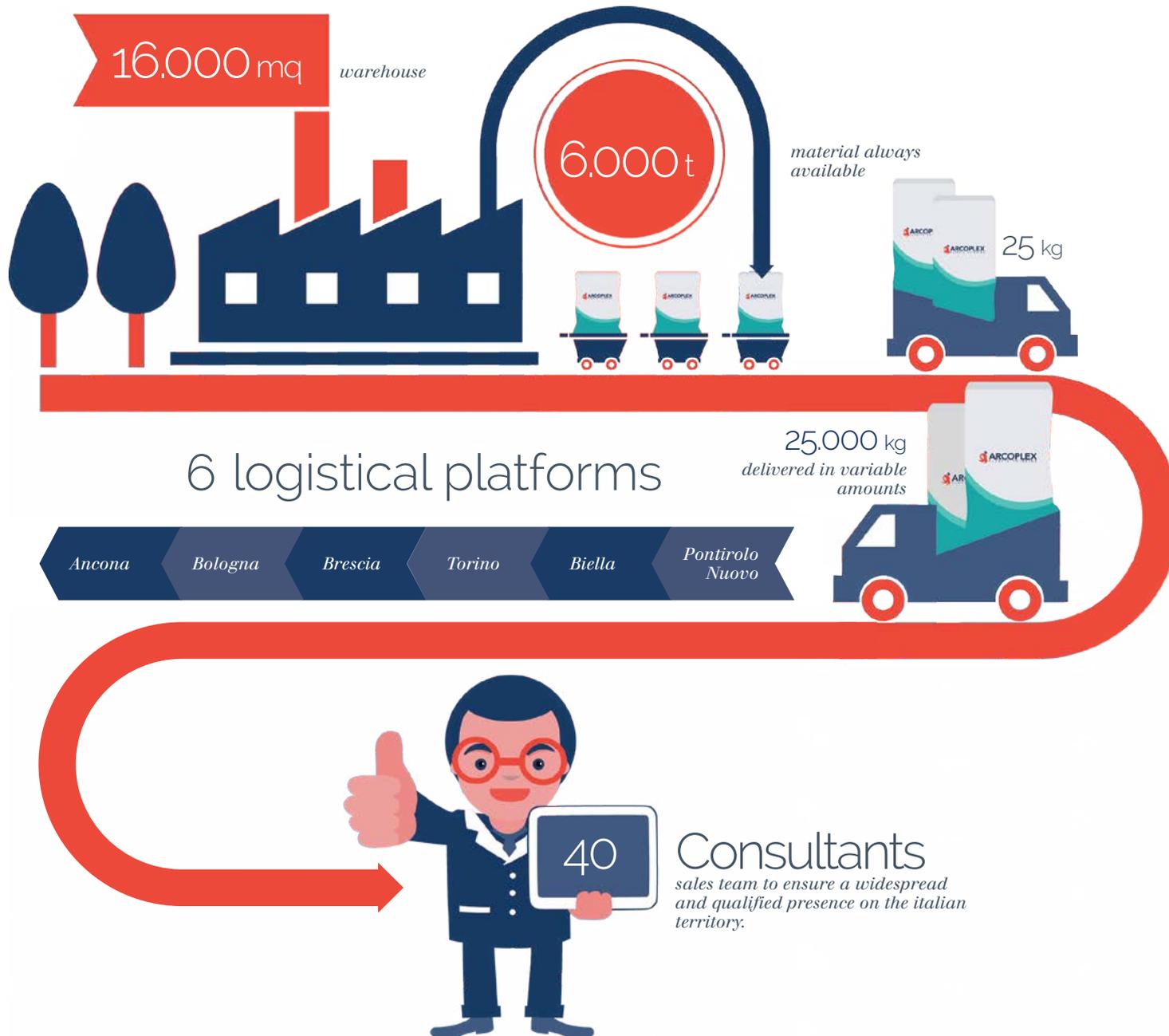
Arcoplex is able to identify the best product for each application field, ensuring a balanced value for money. The company has an efficient forecasting system, which aims to ensure to its international suppliers an adequate flow of information and regular ordering process, formulated with the correct timing advance and at the same time tries to ensure a calibrated process of stock management ensuring the highest level of customer service.

In Arcoplex the development of human resources is a precious and valuable factor, part of the company assets. The company, through a constant dialogue, transmits to the employees the idea of a goal of common growth, a shared project where everyone plays its important role, in which increasing the sense of belonging, of mutual respect and responsibility.

But what distinguishes the company is the knowledge, not only as technical know-how but also as experience, creativity and thought, attitude to experiment for continuous improvement in the commercial and management practice.



*The specialization in the field of engineering plastics is also confirmed by the continuous investment in research and development.*



# A DIVERSIFIED AND COMPLETE PRODUCTS PORTFOLIO

Objective: providing customers  
with a wide and diversified range of products.

The company is a reference for some of the most important companies in the chemical and petrochemical sector in the world that produce thermoplastic resins. It has an extensive sales network supported by a competent technical service and a qualified marketing department.

## ENGINEERING PLASTICS

In the thermoplastic family there is a range of polymers coming from monomers that are chemically complex and sometimes very specific, which give the polymer extremely high technical features compared to traditional thermoplastics. Even the rheological behaviour of most of these polymers is particular and requires, in addition to specific attention during the transformation process, also a specific technical expertise.

## COMPOUNDS

Thermoplastic polymers can be modified by the addition of particular components in order to impart the technical characteristics better suited to specific applications: fillers (talc, calcium carbonate, wood fibers, glass spheres), reinforcements (glass fibers, carbon fibers), modifying (elastomers or rubbers) and other (flame

retardant additives, disulfide molybdenum, Teflon®, particular fibers).

Through compounding it is possible to increase some performances of the material (mechanical, thermal, flame retardant, tribological, physical).

## COMMODITIES

Part of this group are the polymers with a large consumption (polyolefins, styrene, acetal and some types of polyesters).

## BIOPOLYMERS

This category includes all polymers that partially or totally come from renewable sources (non-oil), polymers that partially contain compounds of non-fossil origin and biodegradable and / or compostable polymers.

## BIODEGRADABLE-COMPOSTABLE BIOPOLYMERS

Polymers which have a rate of decomposition (biodegradability) significantly higher than conventional polymers and comply with the regulations in force in the field of composting.

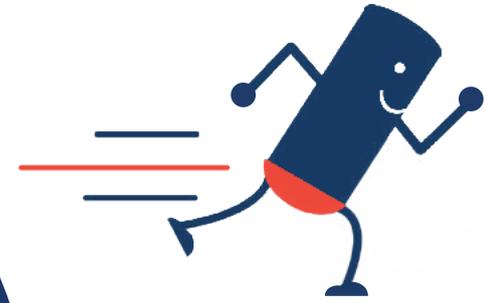
AUTOMOTIVE  
FURNITURE  
HOUSEHOLD  
APPLIANCES  
COSMETIC  
ELECTRICAL AND ELECTRONIC  
LIGHTING  
OPTICAL  
MEDICAL AND PHARMACEUTICAL  
MECHANICAL AND INDUSTRY  
PACKAGING  
BUILDING

*The distribution of Arcoplex can count on a rich and diversified product portfolio, built on different basis and divided into four broad categories: ENGINEERING PLASTICS, COMPOUNDS, COMMODITIES and BIOPOLYMERS for different application fields.*



## ENGINEERING PLASTICS

- ABS
  - ASA
  - PA LONG CHAIN
  - PA 6 - PA 6.6
  - PA TRANSPARENT
  - PBT
  - PC
  - PC/ABS
  - PEBA
  - PEI
- PET
  - PMMA
  - POM
  - PPOm
  - PPS
  - SAN
  - SMMA
  - TPE (SBS, SEBS)
  - TPU



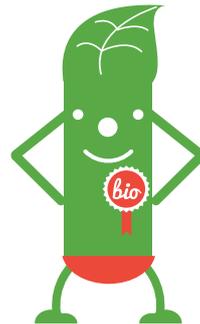
## COMMODITIES

- EBA
- EVA
- PE (LD, LLD, HD)
- PP
- PS
- PVC



## BIODEGRADABLE-COMPOSTABLE BIOPOLYMERS

PBAT - PLA



## COMPOUNDS

- PA 6
- PA 6.6
- PP
- ABS
- PC

# A CONSULTING SERVICE, EXCLUSIVE AND QUALIFIED

Fully exploiting the potential of technology and know-how to generate value.

The laboratory AxtroLab is a strategic tool for customer service and a distinctive element that allows Arcoplex to be different from its competitors.

It was created with the aim of spreading a new culture of quality and technical knowledge in the field of plastics. AxtroLab answers with the maximum effectiveness to the needs of the transformers, dealing with technical issues related to materials and processes. It is called to respond to individual problems, to solve specific problems related to the bureaucracy or norm and to step in by advising the more suitable material for the customer who wants to achieve the best result. With AxtroLab customer service is flanked at each stage of the production, from design to process, until its final application.

*The modern equipments and instruments of the laboratory allow to perform multiple rheological tests, thermal and mechanical tests on raw materials or final products and ensure a check on internally produced compound.*

*AxtroLab performs the following tests:*



#### MATERIAL TESTS

FT-IR spectrometry  
DSC

#### MECHANICAL ANALYSIS

Charpy-Izod impact strength  
Tensile modulus and flexural modulus  
Elongation at yield and elongation at break

#### THERMAL TESTS

VICAT  
HDT

#### PHYSICAL TESTS

Melt flow index  
Density-Specific Gravity

#### FLAMMABILITY TESTS

Self-extinguishing UL-94  
Glow-wire

#### OTHER TESTS

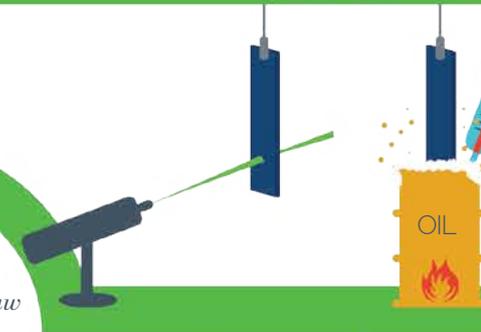
Color spectrophotometry  
Hardness Shore A and Shore D  
Ashes

*In the first step it is important that all information are provided, detailed and correct. In this way the product will fulfill the requirements.*

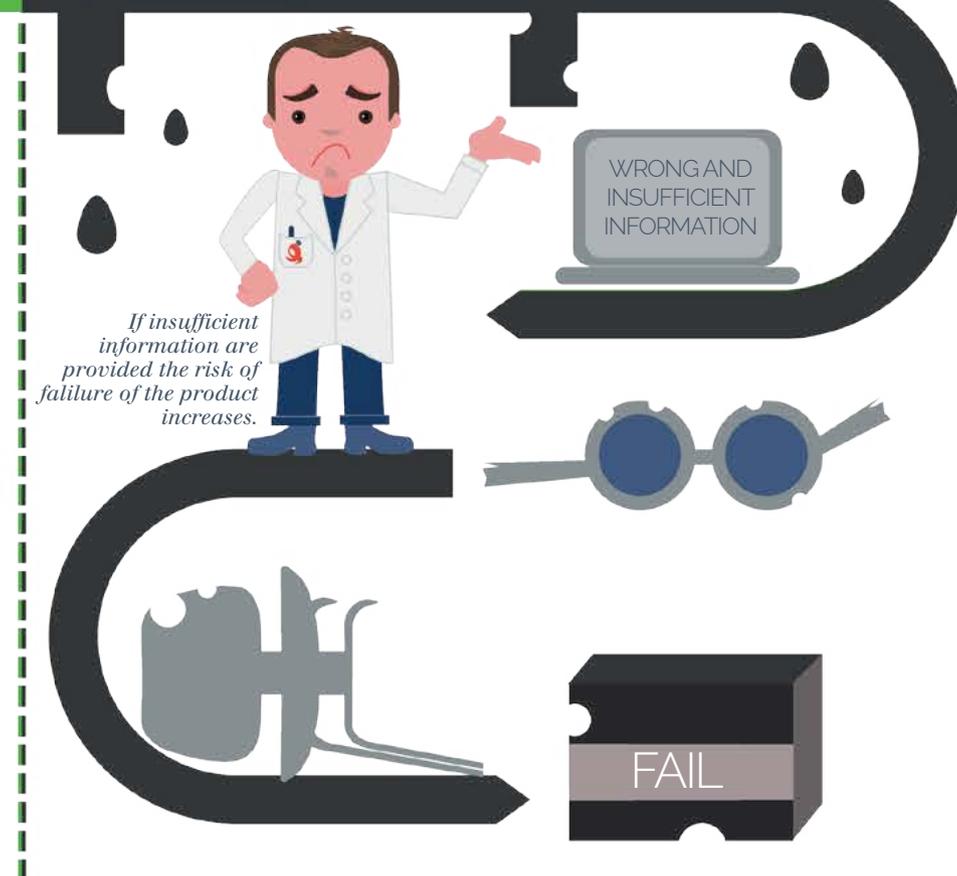
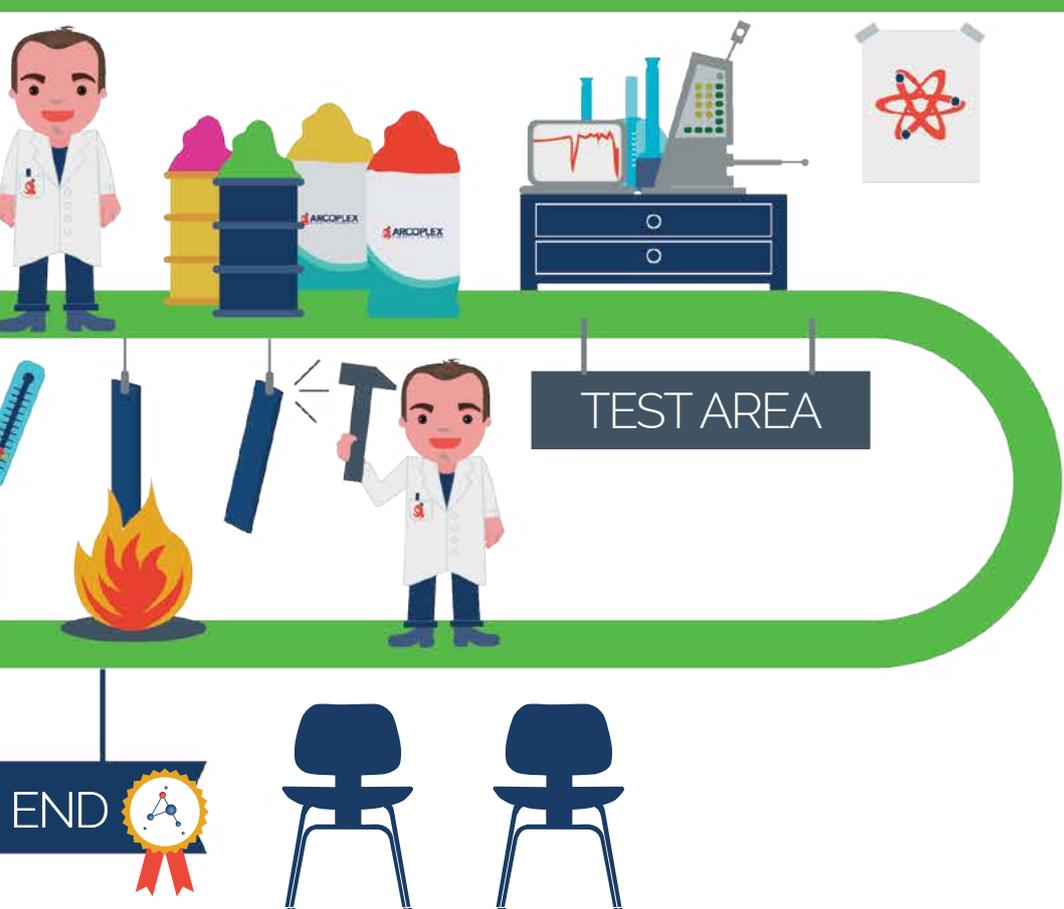
*The technician identifies the material most suitable to the result that the client wants to achieve.*



*Multiple tests are performed on the raw material: rheological, thermal and mechanical.*



HAPPY



*If insufficient information are provided the risk of failure of the product increases.*

# ENGINEERING PLASTICS



PA LONG CHAIN  
PA TRANSPARENT  
PEBA  
PMMA

**RILSAN (PA 11 biopolymer), RILSAMID (PA 12), HIPROLON (biopolymer), RILSAN HT**  
**RILSAN CLEAR, RILSAN CLEAR RNew (biopolymer)**  
**PEBAX, PEBAX RNew (biopolymer)**  
**ALTUGLAS, ALTUGLAS RNew (biopolymer)**



PBT

PBT



TPU

LARIPUR



PA 6 - PA 6.6

STARFLAM, STARAMIDE, STAR C



SEBS - SBS

CHEMITON, FRANPRENE



POM

TARNOFORM



POM

KOCETAL



KUMHO PETROCHEMICAL

ABS  
SAN

KUMHO ABS  
KUMHO SAN

# ENGINEERING PLASTICS



ASA  
ABS  
PBT  
PC  
PC/ABS  
mPPO  
PPS

STAREX  
STAREX  
INFINO  
INFINO  
INFINO  
INFINO  
INFINO



PET-G

SKYGREEN



PA 6 - PA 6.6

**TECHNYL, TECHNYL STAR, TECHNYL ONE  
TECHNYL HT, OROMID**



ABS

**TAITALAC**



versalis

ABS

SAN

**SINKRAL**

**KOSTIL**



RESEARCH OF THE  
BEST PRODUCTS  
WORLDWIDE

PEI

SMMA

# COMPOUNDS



## AXTROMID B POLYAMIDE 6

<b>B2800</b>	Polyamide 6, medium viscosity, nucleated
<b>B2800 BT White</b>	Polyamide 6, white suitable for dyeing
<b>B2800 BM</b>	Polyamide 6, with MoS <sub>2</sub>
<b>B3800</b>	Polyamide 6, high viscosity, nucleated
<b>B2800 G2</b>	Polyamide 6, 20% glass fiber
<b>B2800 G3</b>	Polyamide 6, 30% glass fiber
<b>B2800 G5</b>	Polyamide 6, 50% glass fiber
<b>B2800 S3</b>	Polyamide 6, 30% glass spheres
<b>B2820 EL</b>	Polyamide 6, impact modified
<b>B2840 EL</b>	Polyamide 6, medium impact modified
<b>B2880 EL</b>	Polyamide 6, high impact modified
<b>B2800 TF3</b>	Polyamide 6, with 30% ptfe (Teflon)

# AXTROMID A

POLYAMIDE 6.6

<b>A2800</b>	Polyamide 6.6, medium viscosity, lubricated
<b>A2800 AT</b>	Polyamide 6.6, medium viscosity suitable for food contact
<b>A2800 BM</b>	Polyamide 6.6, medium viscosity, with MoS <sub>2</sub>
<b>A2800 G2</b>	Polyamide 6.6, 20% glass fiber
<b>A2800 G2.5</b>	Polyamide 6.6, 25% glass fiber
<b>A2800 G3</b>	Polyamide 6.6, 30% glass fiber
<b>A2800 G5</b>	Polyamide 6.6, 50% glass fiber
<b>A2800 S3</b>	Polyamide 6.6, 30% glass spheres
<b>A2820 EL</b>	Polyamide 6.6, impact modified
<b>A2840 EL</b>	Polyamide 6.6, medium impact modified
<b>A2880 EL</b>	Polyamide 6.6, high impact modified
<b>A2800 TF2.5</b>	Polyamide 6.6, with 25% ptfe (Teflon)
<b>A2800 TF3</b>	Polyamide 6.6, with 30% ptfe (Teflon)
<b>A2800 KF4</b>	Polyamide 6.6, with 40% mineral filler

# COMPOUNDS



## AXTROTEC B

### POLYAMIDE 6

Compound with prime mechanical performance and possible lower aesthetic features.

<b>B28 S3</b>	Polyamide 6, 30% glass spheres
<b>B28 G2</b>	Polyamide 6, 20% glass fiber
<b>B28 G3</b>	Polyamide 6, 30% glass fiber
<b>B28 G5</b>	Polyamide 6, 50% glass fiber
<b>B28 EL20</b>	Polyamide 6, impact modified
<b>B28 EL40</b>	Polyamide 6, medium impact modified
<b>B28 EL80</b>	Polyamide 6, high impact modified

## AXTROTEC A

### POLYAMIDE 6.6

Compound with prime mechanical performance and possible lower aesthetic features.

<b>A28 S3</b>	Polyamide 6.6, 30% glass spheres
<b>A28 G2</b>	Polyamide 6.6, 20% glass fiber
<b>A28 G3</b>	Polyamide 6.6, 30% glass fiber
<b>A28 G5</b>	Polyamide 6.6, 50% glass fiber
<b>A28 EL20</b>	Polyamide 6.6, impact modified
<b>A28 EL40</b>	Polyamide 6.6, medium impact modified
<b>A28 EL80</b>	Polyamide 6.6, high impact modified

# AXTROPLEN

POLYPROPYLENE

<b>G 2.5</b>	Polypropylene Homopolymer, 25% glass fiber
<b>G 3</b>	Polypropylene Homopolymer, 30% glass fiber
<b>GC 3</b>	Polypropylene Homopolymer, 30% chemically coupled glass fiber
<b>S3</b>	Polypropylene Homopolymer, 30% glass spheres
<b>CC3</b>	Polypropylene Homopolymer, 30% calcium carbonate
<b>TC2</b>	Polypropylene Homopolymer, 20% talc filler
<b>TC4</b>	Polypropylene Homopolymer, 40% talc filler
<b>FRV0</b>	Polypropylene Homopolymer, flame retardant v0
<b>FR V2</b>	Polypropylene Homopolymer, flame retardant v2
<b>TC2 FR V0 Rohs</b>	Polypropylene Homopolymer, 20% talc filler, flame retardant v0

# AXTROLAC

ABS

<b>GP25</b>	ABS medium flow
<b>GP40</b>	ABS high flow, good impact
<b>PLM25</b>	ABS for metal plating
<b>G 1.7</b>	ABS 17% glass fiber reinforced
<b>535 Black</b>	ABS general purpose, near to prime

# AXTROLON

POLYCARBONATE

<b>2100R</b>	Polycarbonate low viscosity with mold release
<b>1300R</b>	Polycarbonate medium viscosity with mold release

# COMMODITIES



**BAZAN GROUP**  
CARMEL OLEFINS LTD

PE LD  
PP

**IPETHENE**  
**CAPILENE**



PP

**DUCOR**



EBA  
EVA  
PE (LD, HD)  
PP, PP COMPOUND

**ALCUDIA**  
**ALCUDIA**  
**ALCUDIA**  
**ISPLEN**



PP  
PS  
PE

**POLYPROPYLENE**  
**POLYSTYRENE**  
**POLYETHYLENE**



PVC

**MIXVIL, ECOVIL**



PE (LD, LLD, HD)  
PS

**RIBLENE, FLEXIRENE, ERACLENE**  
**EDISTIR**

# BIOPOLYMERS

## Bioplastic for a responsible and sustainable consumption

**ecovio®** is a certified compostable polymer obtained from the compounding of ECOFLEX (PBAT), the original and unique compostable molecule, patented by BASF, and PLA (Polylactic acid from renewable sources). Compared to a common biopolymer, **ecovio®** has:

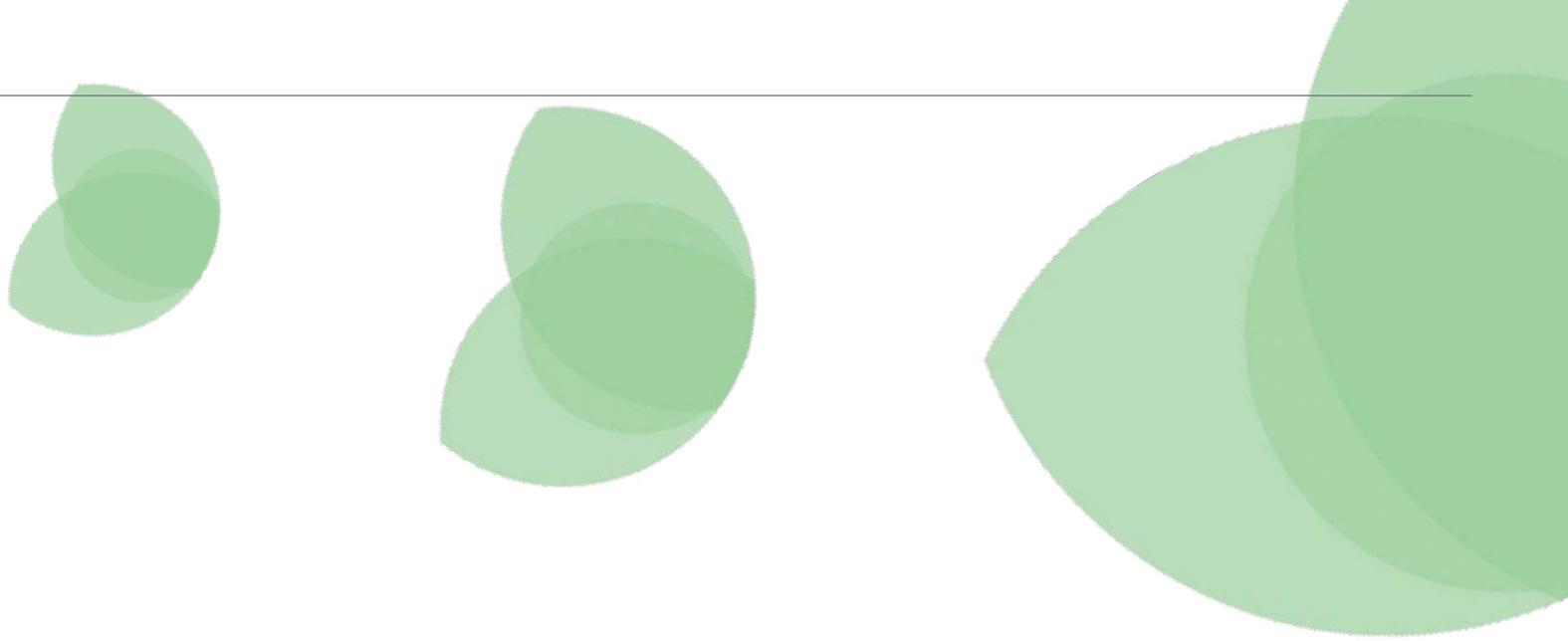
- mechanical characteristics and performances which make the product highly processable as a Standard PE
- high elasticity
- high resistance to moisture
- excellent thermal resistance
- better shelf life

The unique chemical formulation of **ecovio®** allows complete biodegradation within a few weeks, if in the specific environmental conditions of the industrial composting facilities: high temperature, the presence of oxygen, microorganisms and enzymes, high humidity.

**ecovio®** is a ready to use product, workable using the same transformation technologies used to process traditional thermoplastic polymers.



*ecovio® is a compostable polymer, certificated from accredited and independent institutions, according to the most innovative international standards.*



The Chemical Company

ecovio® is available in different formulations  
with variable biobased content

BAGS  
FOR ORGANIC WASTE

ecovio® F 2223

ecovio® F 2332

ecovio® F 23B1

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SHOPPERS

ecovio® F 2223

ecovio® F 2332

ecovio® F 23B1

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PACKAGING

ecovio® F 2223

ecovio® F 2332

[www.ecovio.com](http://www.ecovio.com)

# INTERNATIONALIZATION, THE GREAT OPPORTUNITY

The world is a global village, no one can think of living isolated. The strategic approach to foreign markets grows and strengthens.

The world is a global village, no one can think of living isolated. The strategic approach to foreign markets grows and strengthens.

The Group is active in a process to change the culture, which aims to build synergies and relationships between winning companies to compete more effectively and continue to excel on the international market and on the domestic one. A clear operational strategy that ensure to all institutional stakeholders the company's credibility and reliability.

Arcoplex has the great value of having a vision, a plan for the future that faces adapting with flexibility and innovating to grow up in a rapidly changing society characterized by a strong interconnection. This is the premise that drives the company in search of new international sources of supply, a vocation for internationalization to acquire new materials and submit a comprehensive portfolio of products capable to ensure, at all times, the best solutions

2 CONTINENTS

9 *europcan countries*

9 *asian countries*

*Arcoplex Group deals with the most important international players working in plastics. The products and materials available to customers are selected all over the world.*



# WINNING SYNERGIES TO GROW

## An effective acquisition policy to improve the offer.

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Arcoplex has grown over the years ensuring its customers the highest responsiveness to market demands in a competitive global environment. In 2011, the acquisition of Primacolor and Raiex, the establishment of Sector2; in 2013 Resinmix joined the Group and, finally, in 2014 the foundation of Powderex.

Choices that help to create added value and improve business performances in terms of effectiveness and efficiency, and to increase their competitiveness.

Arcoplex Group confronts with the most important international organizations working in the field of plastics. Products and materials made available to customers are selected all over the world.

The different companies that make up Arcoplex Group operate in the distribution of thermoplastic resins, in the production of masterbatches and color additives, in the compounding of polyamide 6 and 6.6, in the production of natural and colored powders for rotational molding and the production of carpeting, masterbatches and additives, and in the production of XPS panels for the thermal insulation of buildings.

Competence, training, wide product portfolio and quick logistic service are the key concepts of the philosophy of Arcoplex Group.



*To the Group the attention to the person is vital, philosophy which shows itself in the choice to maintain unchanged the identity of the acquired companies.*



Arcoplex SpA  
Group leader in the marketing and distribution of high-grade plastics, especially: COMPOUNDS, ENGINEERING PLASTICS, COMMODITIES and BIOPOLYMERS.



Powderex Srl  
A Group company producing natural and colorful powders intended for rotomolding industry, carpeting and the production of masterbatches and additives.



Primacolor Srl  
A Group company producing color masterbatches and additives to be used in different applications.



Raiex SpA  
A Group company that distributes thermoplastic polymers both of first and second choice and produces expanding and coloring pastes.



Resinmix Srl  
A Group company producing PA 6 and PA 6.6 compounds from first and second choice materials.

*Graphic project* Borgo Creativo  
*and art direction*

*Print* Reprodue



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