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# cromex







Trust and quality

#### We deliver with the **quality and assertiveness** of those who **really know what they do**.



## **48 years of experience in** MASTERBATCHES

- Leader in the Brazilian market
- = 10,000 registered colors
- More than 500 registered additives
- 380 new solutions development each year
- National and international distributors





## About us



**2 plants in** Brazil: São Paulo (SP) and Simões Filho (BA)



Production Capacity of **80,000** tons/year



Around **500** employees







## Mission

Provide innovative and competitive solutions to plastic transformers, seeking alternatives that reduce environmental impacts, in favor of the quality of life of people and future generations.





Vision

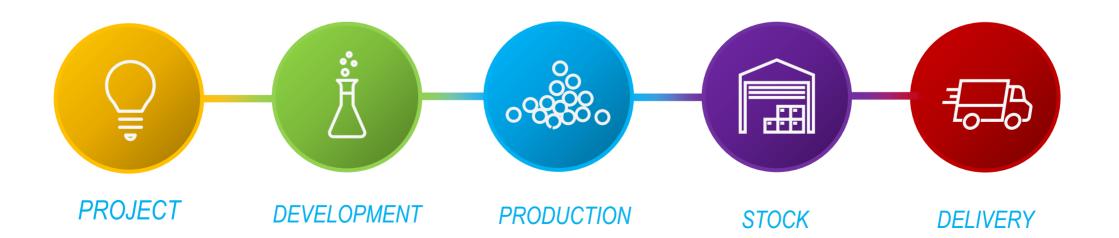
**Expand leadership** in Brazil with a growing global presence, in a profitable way and recognized as the best option for the customer. Values

Meritocracy Agility Sustainability Transparency Excellence in operation Respect



## fast moving Cromex

Result generating products, in your required timing





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We operate in various transformation processes



**Blow molding** 

Extrusion (sheets / films / filaments and non-woven / tubes and profiles)



Rotomolding



# Masterbatches of colors and additives for plastics











## White masterbatches

## White masterbatches



Excellent tinting power, dispersion and homogenization



Contributes to an adequate stretch



Excellent mechanical properties with good balance stiffness/impact and tear resistance



Compliance with national and international legislation especially for food packaging



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## **Black** masterbatches

## **Black** masterbatches





#### Excellent tinting power



Economy, standard and premium line



Excellent mechanical properties with good balance stiffness/impact and tear resistance



Compliance with national and international legislation especially for food packaging





## **Colored** masterbatches

## **Colored** masterbatches

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It is possible to combine colors with different effects, such as: pearly, metallic, glitter, fluorescent, thermochromic, among many others



Portfolio is completely free of heavy metals



We have a Color Development Laboratory, where it is possible to create and apply colors to the final product, allowing you to check and validate the result in a much more agile way



Team of colorists, professionals specialized in color development, evaluation and control to guarantee the results you are looking for





## Additives masterbatches

## Additives masterbatches

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- Anti-blocking
- Anti-statics
- Anti-fog
- Antimicrobials
- Antioxidants
- Process aids
- Oxygen barrier

- Optical Brightener
- Purge compounds
- Sliders
- Release agents
- Desiccants
- Light diffusers
- Light Stabilizers

- Expanders
- Infrared
- Laser markers
- Impact Modifiers
- Nucleating and Clarifying agents
- Odor Reducers



## Solutions for different markets

- Agribusiness
- Food and beverages
- Automotive
- Toys
- Footwear
- Civil construction
- Cosmetics & toiletries
- Disposable items
- Small appliances
- Electronics
- Artificial grass

- Flexible packaging
- Rigid packaging
- Major appliances
- Nautical line
- Furniture and decoration
- Technical parts
- Cleaning products
- Raffia
- Textiles (mono and multifilament)
- Household items





#### World class R&D laboratory

- High colors approval rate
- We are synonym for quality
- Commitment to business
- Robust team and high-tech equipment

## **R&D** laboratory



**Robust R&D team** of specialists, technicians, colorists and assistants



+30 high-tech equipment, analytical and process



Our R&D team is **always available** to customers for consultation



Melt flow index



FTIR | Infra-red spectrum



HDT / Vicat | Thermomechanical Systems DSC | Differential Scanning Calorimetry TGA | Thermogravimetric Analysis



Automatic Notching Machine







Pendulum Impact System







Raw materials and finished products quality control



Process parameters optimization



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New products process development



Process auditing



Satisfaction surveys and analysis of customer complaints



## Certifications

Certified to **ISO 9001**, **ISO 14001** and **ISO 45001**, we prioritize delivering products and services with quality, but always concerned about the environment and the occupational health and safety of all our employees.







#### **Environmental**

Energy efficiency, natural resource use, waste management, environmental impact and climate change.

- Water and Wastewater
- Energy
- Waste
- Environmental Education

#### Social

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GOVERNANCA

Human rights, relationships with suppliers, customers, communities, employees, data privacy and security.

- Workplace Accidents
- Health and Safety

NIRONMEN

Capacity Building and Training

#### Governace

Compliance and transparency in our processes. Economic-financial analysis integrated with social-environmental and governance factors

- Fighting Corruption
- Internal Controls
- Direct Economic Value Generated and Distributed



## Environment



Heavy metal-free product portfolio and research and development of sustainable solutions







Regulatory



Reduction in the generation of waste liquid effluents



Water saving and reuse



Reduction of energy consumption



Correct destination of generated residues



## Regulatory

Committed to legal compliance, we work on the regulation of our products, according to the legislation of each location and pertinent market Main legislations:

- Brazil ANVISA RDC 105/99 (RDC 52/10, RDC 56/12, RDC 326/19 and RDC 589/21 All harmonized with the GMC in force in Mercosur)
- Europe Resolution AP (89) 1, Regulation (EU) 10/2011 and its updates



- RoHS Directive
- Mercosul ABNT NBR NM 300-3:2004
- USA EN 71-3:2013
- Europa ASTM F 963



Europa - 2000/53/EC (ELV) Directive



REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals)



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# ACT GREEN, JACK SEEN, JACK SEEN,

**Performance and Sustainability** 



Performance and Sustainability





#### rC-Black®

with carbon black recovered from tires that have reached the end of their useful life



#### NIR

lack masterbatches carbon black free for easy reading on NIR sorters for recycling





## Recycling

Additives capable of improving the quality of PCR for the transformation process



#### **PCR** line

Masterbatches that use postconsumer resin as a vehicle

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#### GRAPHEX

**CROMEX® GRAPHENE** 







#### Increase in resistanc

Provides greater resistance to traction, bending, impact, scratches, and the thermal and chemical degradation of plastics.

#### Reduction in energy and material consumption

It is possible to reduce the thickness and weight of plastic parts, reducing resin and energy consumptio

#### Versatility

The benefits provided can be applied in different resins, for different segments and final products.

#### Non-tox

Allows application in packaging and plastic parts that will come into contact with food or drinks, as it does not pose a risk to humans, in addition to having a bactericidal effect

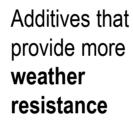
# MICROCOLOR®

#### MICRONIZED COMPOUNDS FOR ROTOMOLDING

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Excelent surface finish

h PS





Allows for contact with potable water



**Applications:** water tanks, vases, playgrounds, mannequins, kayaks, pallets, among others









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