



**Gabriel Colours East Africa Ltd** supports customers as a reliable partner with solutions tailored to regional requirements. We offer a broad portfolio of **colour, additive and combination masterbatches**, underlining our commitment to high-quality solutions with a global perspective, European quality standards and local points of contact.

# BRINGING LIFE to plastics

## MAXITHEN® Black Masterbatches

PREMIUM PERFORMANCE FOR EVERY APPLICATION

Our **MAXITHEN® Black** portfolio delivers exceptional quality and versatility for a wide range of applications. Based on high-performance polymer carriers like polyethylene, polypropylene, styrene polymers, and technical thermoplastics, these masterbatches feature ultra-fine carbon black particles with the highest concentration for deep, rich colour and superior dispersion.

### Key Benefits:

- Outstanding temperature stability and pigment dispersion – ideal for thin films and sheets.
- High pigment volume concentration (up to 50%) for low-dose efficiency.
- Designed for diverse uses: pipes, cables, packaging films, agricultural films, and electronic parts requiring

### Customized Solutions:

Beyond our standard range, we offer tailor-made formulations to meet specific requirements. Our experts integrate additional additives for precise property control, ensuring optimal performance for your application.

### Premium Support:

Our technical team provides expert recommendations, on-site consultations, and fast, flexible production – from large-scale orders to specialized batches.



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## MAXITHEN® White Masterbatches

PREMIUM MASTERBATCHES FOR BRILLIANT PERFORMANCE

Our **MAXITHEN® White** masterbatches deliver exceptional brightness and superior dispersion using premium rutile titanium dioxide ( $TiO_2$ ) with a special coating for optimal application. With pigment concentrations of up to 70%, they ensure outstanding coverage and efficiency even at low dosages (from 0.5%).

### Why MAXITHEN® White?

- **High Performance:** Excellent temperature stability and uniform pigment distribution.
- **Versatile Applications:** Ideal for films, hollow parts, injection molding, and extrusion.
- **Custom Solutions:** Tailor-made formulations with integrated additives for precise functionality.

### Premium Support:

Our technical experts provide personalized recommendations, on-site consultations, and fast, flexible production – from large-scale orders to specialized batches.

### Your Perfect White – Standard or Customized:

Explore our premium range or collaborate with us to create a solution that meets your exact requirements.



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## Caps & Closures

PRECISION MEETS PERFORMANCE – SMALL IN SIZE. BIG IN TECHNOLOGY.

Bottle caps may weigh just 2 grams, but they are high-tech components that demand precision and reliability. For decades, we've been a trusted partner for colour and additive masterbatches for caps and closures made from polyolefins, meeting the highest standards for dimensional accuracy and process safety. Recommended by leading machine and mold makers, our solutions are trusted by global closure manufacturers. A wide range of colour options is a core competence and an integral part of our product portfolio.

### Why Choose Our Solutions?

- **Food-Safe & Certified:** Compliant with international food-contact regulations and backed by full documentation.
- **Perfect Colour & Stability:** Homogeneous dyeing, exact coloring, and high dimensional stability for secure sealing and defined opening forces.
- **Sensory Neutral:** No impact on taste or smell thanks to careful raw material selection.
- **Custom Additives:** From lubricants for easy opening to oxygen scavengers for extended shelf life, laser additives for permanent labeling, and anti-counterfeit protection.

### Your Advantage:

Strict quality assurance, seamless traceability, and decades of expertise ensure closures that protect your product – whether it's mineral water or premium cooking oil.



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## Greenhouse Films

### SMART SOLUTIONS FOR MODERN FARMING – EFFICIENCY FOR A GROWING WORLD

Climate change, population growth, and shrinking farmland demand innovative solutions. Our polyethylene-based greenhouse films help farmers optimize resources and improve crop yields. These films provide protection against weather, pests, and mechanical stress, reducing seed and water waste while enhancing plant health and harvest quality.

#### Why Choose Our Solutions?

- **Premium Masterbatches:** Under our MAXITHEN® brand, we offer UV and heat protection, anti-fogging, and anti-dripping additives for superior film performance.
- **Tailored Recommendations:** Customized solutions for greenhouse films, mulch, and crop covers – adapted to local climate conditions.
- **Extended Service Life:** From lubricants for easy opening to oxygen scavengers for extended shelf life, laser additives for permanent labeling, and anti-counterfeit protection.

#### Your Advantage:

More control, less waste, and better harvests – with solutions that meet international standards and future farming needs.



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## Silage Films

STRENGTH, STABILITY & CUSTOM SOLUTIONS – RELIABLE PERFORMANCE FOR MODERN

Our silage films are engineered for durability and efficiency, ensuring optimal protection for forage under all conditions. Key features include:

- **Superior Strength:** High puncture resistance, tear strength, and excellent layer tracking after stretch wrapping.
- **UV & Environmental Protection:** HALS-based UV stabilizers tailored to climate zones prevent premature degradation.
- **Precision Design:** Consistent thickness, homogenous pigment distribution, and compatibility with multilayer co-extrusion.

## MAXITHEN® Masterbatches for Silage Films

With decades of expertise, we deliver premium masterbatches for colour and functional additives under our MAXITHEN® brand. Choose from a big range of colours or request custom shades to match your aesthetic and technical needs. Our formulations ensure long-lasting performance against UV, agrochemicals, and environmental stress.

## Tailored Solutions & Expert Support

We provide in-depth technical assistance, recipe development, colour matching, and field-tested solutions. From large-scale production to specialized batches, our commitment to quality and innovation guarantees results.



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## UV Stabilizers & Additives

MAXIMUM PROTECTION FOR AGRICULTURAL FILMS – DURABILITY STARTS HERE

Agricultural films face harsh conditions: UV radiation, heat, oxygen, and chemical stress. Our advanced UV stabilizers ensure long-lasting performance by protecting against these factors. The most efficient solution? HALS (Hindered Amine Light Stabilizers) – delivering outstanding protection and cost efficiency, especially for greenhouse films. We also offer phenolic antioxidants for thermal stability and UV absorbers for extra defense.

### Why Choose Our Solutions?

- **IR Barriers:** Reduce heat loss by up to 75%, keeping greenhouses warm overnight and cool during the day.
- **Anti-Fogging Additives:** Prevent condensation and water droplets that damage plants, reducing stress and improving crop health.
- **Tailored Solutions:** Customized formulations adapted to climate zones and specific film designs for maximum service life.

### Your Advantage:

Decades of expertise, precise additive integration, and budget-conscious recommendations ensure films that last longer and perform better.



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## Colours & Additives

WHERE PERFORMANCE MEETS AESTHETICS – COLOUR STARTS WITH EXPERTISE

Colour is more than appearance – it defines identity, functionality and product recognition. At Gabriel-Chemie, colour and additives go hand in hand. As an experienced masterbatch specialist, we combine deep colour expertise with technical know-how to deliver reliable, high-performance solutions for a wide range of applications.

Our portfolio includes a broad range of standard colours with proven performance, as well as tailor-made colour solutions precisely matched to customer requirements, polymers and processing conditions.

### Beyond Colour:

- **Tailored Colour Matching:** Custom shades developed to meet specific design, branding or regulatory needs – reproducible and consistent.
- **Functional Integration:** Colours combined with additives such as UV stabilisation, heat resistance or laser marking additives.
- **Process Reliability:** Optimised formulations for extrusion, injection moulding, films and fibres.
- **Application Expertise:** Solutions adapted to end-use requirements, from packaging and construction to technical and consumer applications.

### Your Advantage:

Decades of experience, a strong colour library, advanced colour-matching technology and close customer collaboration ensure colours that are not only visually precise, but also technically reliable and economically efficient.



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