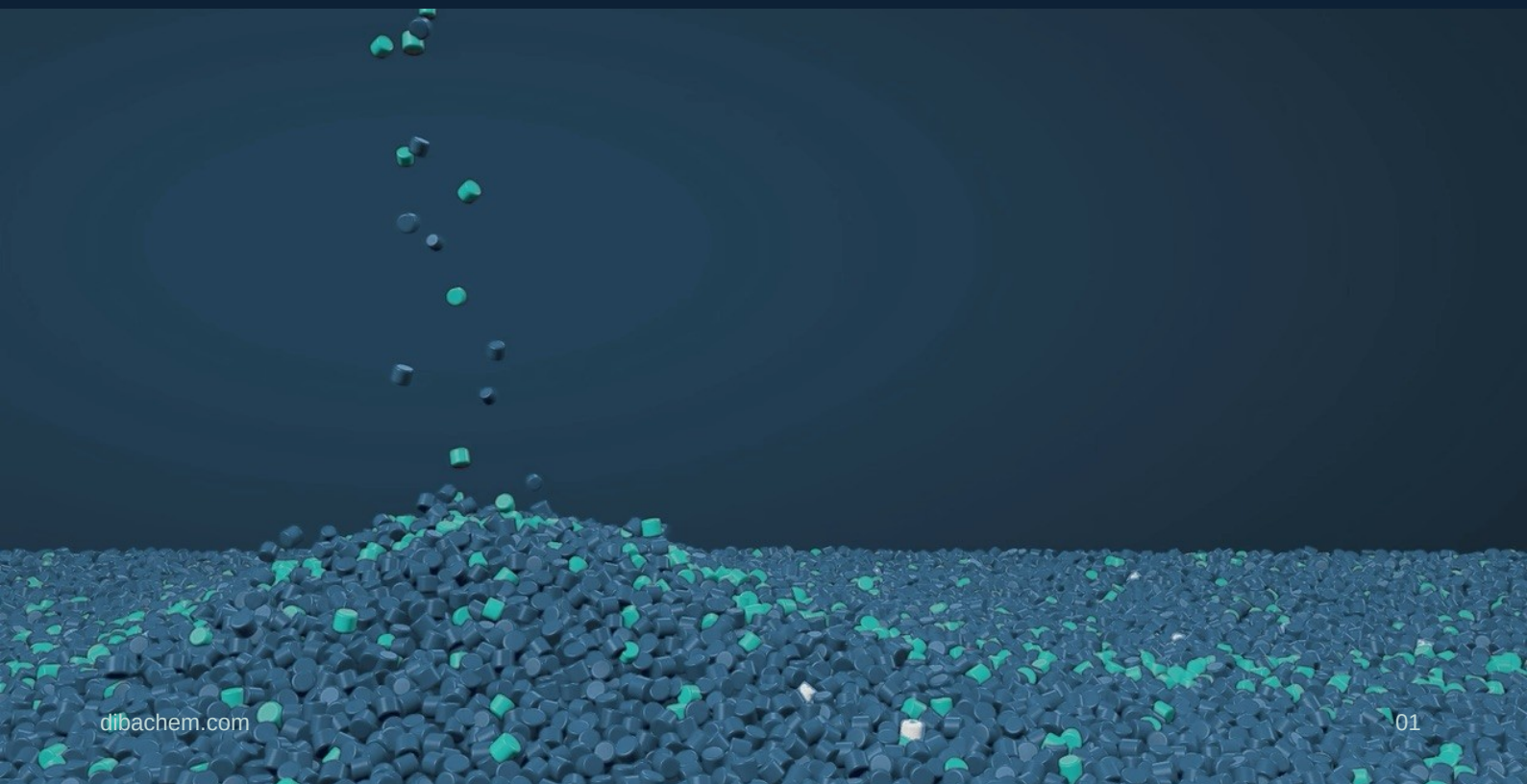
DIBACHEM
MASTERBATCH & ADDITIVES

PRODUCT CATALOGUE

Masterbatch that starts with your process

Masterbatch and additives for textiles, film and plastics



DIBACHEM
MASTERBATCH & ADDITIVES

OUR APPROACH

Based in Muscat. Focused on your process.

Dibachem supports masterbatch selection for textile and plastics applications. A clear production brief helps focus the discussion on the resin, process and finished-product requirements.

Define

The resin, process and target appearance or function.

Review

Carrier compatibility, dosage and available grade information.

Validate

A sample and production trial against agreed checks.

Confirm

The grade and commercial details before the order.

GRADE SELECTION

Built around your production conditions

A product family is the starting point. The proposed grade must be checked against the actual polymer, processing conditions and intended use.

Resin and carrier

Identify the base resin and any recycled content.

Processing conditions

Include temperature, residence time and drying where relevant.

Product requirements

Specify color, surface, optical and mechanical checks.

Acceptance evidence

Agree the test method, conditions and limits.

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PRODUCTS / 01

Color masterbatch

Color concentrates matched to the polymer, production process and target appearance.



Reference and resin

Physical color reference and agreed lighting
Resin, recycled content and carrier system

Process and end use

Processing temperature and residence time
Finished-product appearance and end-use requirements

Check the target shade on the intended resin and finished-product geometry.

White & black masterbatch

White masterbatch

Titanium dioxide concentrates for white color and opacity in suitable textile and plastics applications.

Opacity at the actual product thickness
Whiteness and undertone against your reference
Carrier compatibility and processing temperature

Black masterbatch

Carbon black concentrates selected around the required shade, dispersion and processing conditions.

Base resin and carrier compatibility
Blackness, undertone and surface appearance
Dispersion and filtration requirements

A black appearance does not by itself establish outdoor durability or a service life.

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PRODUCTS / 04

Calcium carbonate filler masterbatch

Calcium carbonate dispersed in a polymer carrier for applications where mineral filling is suitable.



Filler can change stiffness, shrinkage, density and mechanical performance. Check the finished product at the proposed dosage. A lower material price per kilogram does not by itself establish a lower production cost.

Compare density, accepted output and relevant mechanical properties at the proposed dosage.

Additive masterbatch

Functional concentrates considered for processing, surface behaviour and end-use requirements.

UV stabilisation

Review the polymer, color, thickness and exposure requirements.

Antioxidants

Consider the resin stabiliser package and heat history.

Slip and antiblock

Define handling, friction and converting requirements.

Other functions

Discuss the target surface or processing problem and the required checks.

Function, availability, dosage and documentation are confirmed for the proposed grade.

Grade information

Request information for the actual proposed grade and intended application. A general portfolio description is not a technical data sheet or a certificate.

Technical data

Carrier, dosage guidance and relevant processing information.

Safety information

Request the applicable safety data sheet and handling guidance.

Regulated applications

Identify food-contact or other specific requirements at the start.

Origin and supply terms

Confirm truthful origin, quantity, packaging and destination.

Film & Plastics

Blown and cast film

Resin and film thickness
Layer structure
Opacity or transparency
Coefficient of friction
Printing and sealing
Storage and ageing conditions



For slip and antiblock trials, agree how and when handling performance will be measured.

Packaging and durable applications

Injection molding

Resin, wall thickness, appearance and the specified mechanical properties.

PET preforms

PET grade, drying, optical target and blowing conditions.

Polymer pipes

The pipe use, resin grade and applicable product specification.

Outdoor and sheet products

Exposure, color, surface and the required durability checks.

Discuss the actual application before selecting a grade or making a performance statement.

Fibers & Textiles

BCF and CF yarns
Spunbond nonwovens
POY and FDY yarns
Polyester staple fiber

Include the base resin, drying and spinning conditions, filtration, fiber or yarn specification and target shade.



Evaluate dispersion, processing behaviour and the required fiber properties in the production trial.

TECHNICAL DISCUSSION

A defined brief.
A documented trial.

Agree the target and how it will be measured before changing the regular production specification.

Production brief

Polymer, process, target appearance or function and final specification.

Sample and settings

A proposed grade, dosage and a controlled comparison.

Recorded checks

Batch references, conditions, results and retained samples.

Review and agreement

Grade suitability, documents and commercial details.

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Let’s discuss your production requirements

Share the polymer, process, target color or function, approximate quantity and destination.

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Product artwork is illustrative. Grade performance and compliance require application-specific confirmation.

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