

PET masterbatch

ALL
COLOUR SHADES
AVAILABLE

WIDE RANGE
OF ADDITIVES

FOR ALL KINDS
OF APPLICATIONS





GOURMET MASTERBATCH

Polyethylene terephthalate – commonly known as PET – is one of the most widely used polymers in the world and is found in a large number of everyday products. Its many positive qualities make it extremely versatile in every field of application, such as bottles & containers, thin films & coatings, thick/rigid films, sheets, and filaments.



PROTECTS
FRESHNESS

ASTONISHING
COLOURS IN PETG



Besides PET,
we also offer
PETG masterbatches,
which have become
increasingly important
in the field of 3D print
applications.

COLOUR & ADDITIVES MASTERBATCH

Our formulas for PET masterbatches are constantly being improved in our own laboratories in compliance with high quality standards. As the technology leader in the field of masterbatch production, we specialise in additive masterbatch with one, two or even more functionalities and - on request - with transparent or opaque colour shades. Our experience in the production of colour masterbatches is outstandingly reflected by our comprehensive library of colours.

OUR HIGHLY CONCENTRATED MASTERBATCHES ARE SUITABLE FOR MOST PRODUCTION PROCESSES

- Production of injection moulded preforms
- Injection stretch blow moulding
- Film extrusion
- Sheet extrusion
- Fibres
- Filaments for 3D printing

AND OFFER MANY BENEFITS COMPARED TO WAX-BASED OR LIQUID COLOUR CONCENTRATES

- Clean and proper dosage and handling
- No residuals on the screw
- No compatibility problems during processing
- Wide range of dosage rates possible
- No feed hopper cooling required
- Ready to use with natural PET due to post-crystallisation
- Carrier system does not influence overall migration (OM) values.



ISO 22000
CERTIFIED

OUR QUALITY STANDARDS

First and foremost our products have to fulfil the requirements of our customers, but in addition, we also need to meet the most demanding national and international quality standards and regulations. This obligation results in ongoing process and procedural optimisations, which are implemented and confirmed as part of our EN ISO 9001 and EN ISO 14001 certifications. Beside this we are also certified according to EN ISO 13485 for medical products and EN ISO 22000 for food contact materials. Moreover, certifications for vegan and halal-approved masterbatch will be available shortly.

PURE – ORGANOLEPTICALLY ASSESSED MASTERBATCH

As a result of intensive communication with plastics converters and leading brands within the food and beverage industry, we have developed PURE, a unique additional service package, that provides complete transparency within the value chain for masterbatch customers and the confidence that our masterbatch is the industry benchmark for organoleptic and food safety issues.



THE SIGN OF GOOD TASTE



ANTIBLOCKS, LUBRICANTS & COMBINATIONS

Based on artificial silica of very fine particle size, along with high efficiently working lubricants based on long-chain fatty acid esters, for a significant reduction of COF, high machine output, lower energy consumption, easy demoulding, smooth surface.

FROST APPEARANCE

Based on crosslinked polymer spheres, conveys a cool and frosty look on extruded or injection moulded PET articles through the difference in light refraction between PET and polymer additive. The smoothness of the surface does not change.

LIGHT STABILISERS & ABSORBERS

Based on very efficient UV absorbers, a variety of formulations is available for medium and long-term functionality according to requirements, for the protection of packaged goods against the impact of UV radiation from natural and artificial (fluorescent lamps/supermarkets) sources. For extra-longlife outdoor articles. Economic application is ensured since the absorber only needs to be added to the outer layer of the final article.

MODIFIERS

For a significant improvement in impact resistance up to twice that of original PET.

NUCLEATING AGENTS

Based on inorganic mineral, for production of extruded foams, high efficiency at low dosage rates, for a fine and homogenous foam cell structure.

OPTICAL BRIGHTENER

For a durable clear and bright white appearance of the article, prevents any yellowing.

FLAME RETARDANT

Halogenfree, for UL 94/V2 and V0.

ANTISTATICS

Migrating antistatics for a temporary effect of approximately one year, fully food approved, very efficient for a surface resistance of down to 108 Ohms.

For a permanent antistatic effect for the life span of the final articles, our range includes polymerised antistatic formulations.

LASER MARKING

For permanent, unscratchable, contactless printing with laser light technology, allows very sharp and precise writing at high speed, even on bent and curved surfaces.

BUSINESS UNITS OF GABRIEL-CHEMIE GROUP:



Building & Agriculture



Home & Lifestyle



Packaging for Industrial & Consumer Goods



Cosmetics Packaging



Food & Beverage Packaging



Medical



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