



THERMOPLASTIC ADDITIVE  
MASTERBATCH

# WELCOME TO PRISMA COLOUR



## PRISMA COLOUR LTD

- Global supplier of Colour and Additive Masterbatch
- Formed in 1991
- Annual processing capacity of 48,000 tonnes pa
- ISO 9001 facilities
- Qualified technical support
- Customer orientated
- Innovation is a continuous process adding value for our partners

## THERMOPLASTIC ADDITIVES

Our thermoplastic additive concentrates improve the appearance and performance of resins to meet your exact specifications in the following processes:

- Blown Film Extrusion
- Sheet Extrusion
- Profile extrusion
- Blow moulding
- Injection moulding
- Thermoforming applications

Additive, Colour and White masterbatches are available in a wide range of polymer types. In addition to our standard grades we have the manufacturing capability and technical knowhow to produce bespoke additive packages to meet your specific requirements.



## ANTI-FOG MASTERBATCH

Description: Typical Polyolefins are very hydrophobic which can lead to a film of condensation forming on a plastic film's surface, known as fogging. The addition of an internal antifog masterbatch reduces the surface tension of the polymers surface so that water droplets cannot form.

## ANTIOXIDANT MASTERBATCH

Description: Antioxidants guard against oxidation, enhancing the stability of polymers against sunlight and heat. Oxidation can affect the polymer with colour change, loss of flexibility, loss of tensile strength, impact resistance, cracking, and other surface deterioration.

## BIO-DEGRADABLE MASTERBATCH

Description: A low addition of a bio-degradable masterbatch to your product retains its desirable attributes without effecting cosmetics for a certain period but then allows the product to break down into biodegradable materials at the end of its lifespan.

## DE-NESTING MASTERBATCH

Description: Our De-nesting masterbatch allows for easy separation of plastic products by lowering the coefficient of friction (COF) on the surface of the product. When used in thermoforming or injection moulding processes you can get faster line speeds, improved speed consistency and reduce wastage and downtime.

## DESICCANT MASTERBATCH

Description: Desiccant masterbatches act as moisture scavengers that attract and chemical bind moisture. They can reduce the need for pre-drying of materials, allow the use of high moisture content recycle and add additional control to processing moisture sensitive polymers.

## UV STABILISER MASTERBATCH

Description: Polyolefins that are exposed to direct sunlight and other harmful light sources need protection to stop them undergoing photodegradation resulting in a vastly reduced life cycle. By combining HALS (hindered amine light stabilisers) with polyethylene, polypropylene, or bespoke carrier systems Prisma can offer solutions to all requirements and applications regarding UV protection.

## NON-MIGRATORY, PERMANENT SLIP MASTERBATCH

Description: Permanent slip masterbatches work by migrating to the polymer surface and filling all the micro gaps created during the formation of plastic products. Once the additives have reached the surface they are immobilized and do not migrate any further, this gives the finished article a very smooth, very low permanent COF.

## ANTI-MICROBIAL MASTERBATCH

Description: Antimicrobial performance can be used to add value to any product in a wide range of applications by enhancing freshness and hygiene, reducing odour formation, and protecting against cross contamination.

## ANTI-FUSION MASTERBATCH

Description: Eliminates the welding of different polymer layers during thermal shrinking of pallet wrapping hoods and blown film applications. Compatible with all polyolefins at dosages

## ANTI-BLOCK MASTERBATCH

Description: Anti-blocking is the mechanism of preventing film sheets adhering due to electrostatic charges and van der Waals interaction. Mineral additives are dispersed into the polymer matrix to create a micro-rough surface reducing the contact area of film layers

## NUCLEATING AGENT MASTERBATCH

Description: Nucleating agents are typically added to modify products optical and physical characteristics and can be used in various semi-crystalline polymer types. Some of the advantages of nucleating agents are improved physical properties, reduction in moulding cycle time and better control over shrinkage and warpage.

## SLIP/ANTI-BLOCK MASTERBATCH

Description: By combining slip masterbatches and anti-block masterbatches into one single product customers are able to produce film with increased productivity as the additives work in a synergistic fashion to reduce processing issues and allowing the film to be stored for easier use at a later date.

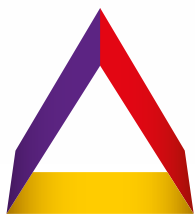
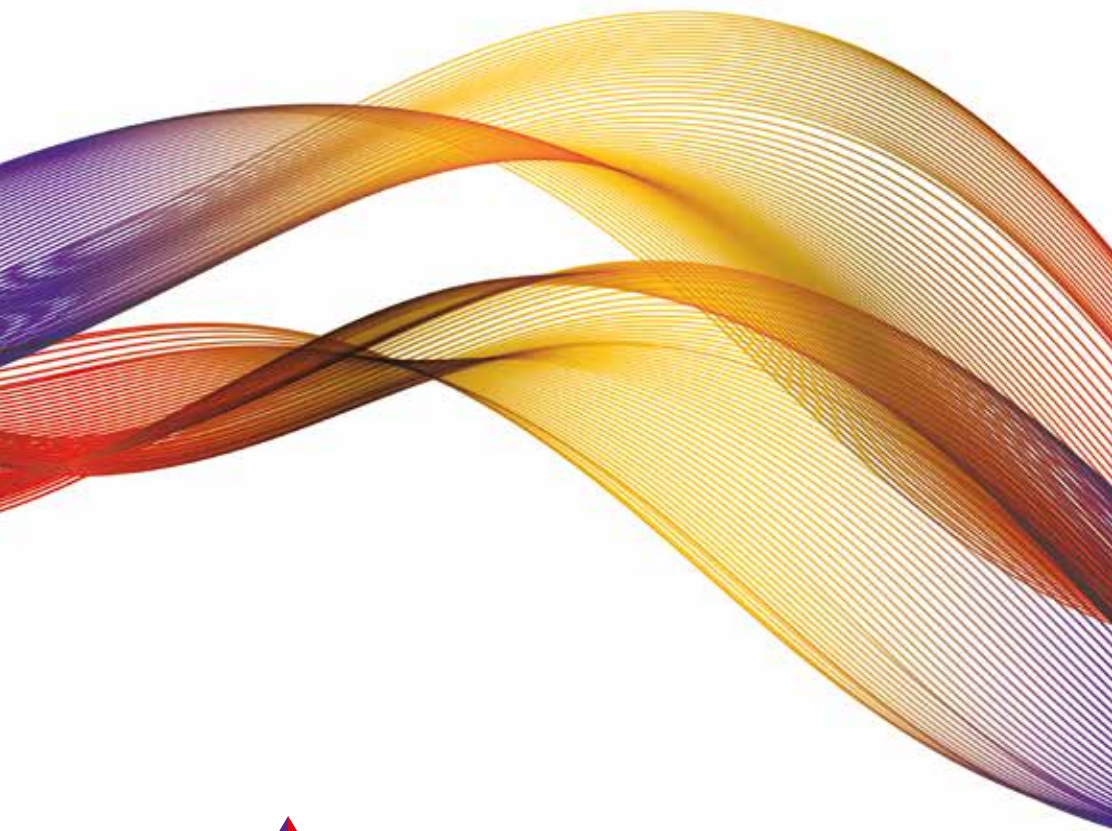
## PROCESSING AID MASTERBATCH

Description: Fluoropolymer polymer processing aids (PPAs) are commonly used to create smooth die surfaces, reducing melt fracture and die build-up. Like other processing aids, they also often increase throughput, reduce operating pressures, improve film clarity and surface finish (gloss), and in some cases, allow faster colour changeovers.

## SLIP MASTERBATCH

Description: Slip additives reduce friction between plastics, which decreases tackiness and makes processing, storage and distribution easier. The term used in the reduction of surface friction is Coefficient of friction (COF).

Call Prisma Colour to discuss your specific product requirements on **+44 (0) 1457 856 505**



**prisma**  
C O L O U R

**Prisma Colour Limited**

Thornsett Trading Estate, Birch Vale, New Mills,  
Derbyshire, SK22 1AH United Kingdom

**T.** +44 (0) 1457 856 505

**E.** sales@prismacolour.com

**www.prismacolour.com**



As well as thermoplastic additives Prisma Colour has one of the widest product portfolios in the colour and additive masterbatch industry. For more information on our other products please visit **www.prismacolour.com** or contact our sales team.

Thermoplastic Additives

Thermoplastic Colour  
Masterbatch

Rubber Colour Masterbatch

Rubber Additives

Silicone Colourants

Liquid Dispersions

Solvent Dispersions

Rotational Moulding Powders

Thermoplastic Compounds

For more information on all our product types, please visit **www.prismacolour.com** or contact our sales team on **+44 (0) 1457 856 505**