



**Additive Masterbatches
for the Polymer Industry**

Additive Masterbatches for the Polymer Industry

Wells Performance Materials Limited is the UK's largest specialist additive masterbatch and compound manufacturer. Established in 1984 and based in Stone, Staffordshire, offering a wide range of proprietary additive masterbatches for the polymer processing industry including film, fibre and injection moulding.

The expansive product range offers additive masterbatch solutions to enhance polymer properties such as slip and antiblock, polymer stability, lifespan and processability, lightweighting and sustainability technologies such as blowing agents, stabilisers and desiccants for increasing recycled content, through to antimicrobials for hygiene and mass transport settings marketed under the BACTi^{glas}™ brand.

In addition Wells provides bespoke contract and toll compounding to the global polymer industry, from a few hundred kilos to thousands of tonnes, capable of dispersing and encapsulating a wide range of active powders, pellets, flakes, waxes, low melting point liquids through to ultra viscous materials into polymer bases from polyolefins to biobased and biopolymer systems.

reverte™



Reverte™ is designed specifically to address the issue of plastic waste that escapes in the environment and cannot be realistically collected, whilst still being fully compatible with modern recycling practices.

Reverte™ provides award winning biodegradable technology to accelerate the environmental degradation of packaging films and laminates, made from PE, PP or PET rendering them ultimately biodegradable and is fully tested to ASTM D6954-24.

Reverte™ additives are well suited to a wide range of processes and applications and they have been used for many years to provide a reliable and reproducible biodegradable performance in polymer products around the world and are fully accredited to a number of standards and quality marks.

Applications	Suitability
↘ All types of shopping bags	✓ PE ✓ PP
↘ Bin liners	✓ PET
↘ Bread bags	
↘ Shrink and pallet wrap	
↘ Agriculture films	
↘ Plastic netting	
↘ Multi layered films	
↘ BOPP	

BACTi^{glas}™



BACTi^{glas}™ is a highly effective range of antimicrobial additive concentrates available in a variety of polymer carriers and powder dispersions.

BACTi^{glas}™ technology is being successfully used to control bacteria in medical devices, healthcare products, light industrial applications such as flooring and in white goods applications.

Antimicrobials are carefully regulated and Wells has extensive knowledge of these regulations including but not limited to the Biocidal Products Regulation (BPR) which its range of BACTi^{glas}™ masterbatches are fully compliant with.

Applications	Polymer Carriers
↘ Blown film	✓ PE
↘ Cast film	✓ PP
↘ BOPP	✓ PS
↘ Sheet extrusion	✓ TPU
↘ Profile extrusion	✓ Powder dispersion
↘ Blow moulding	
↘ Injection moulding	
↘ Nonwovens & fibre	

WELLS SCENT



WellsScent fragranced masterbatches offer manufacturers the ability to produce scented plastic goods to offer 'on shelf' product differentiation. There is an extensive range of fragrances to choose from, whether you are producing one off marketing goods to promote your brand or supplying fragranced nappy sacks and waste bin bags in bulk. The fragrances can be stock or made to your specific requirements and brief, no matter how unusual there is certain to be a WellsScent fragrance masterbatch solution for you.

Applications	Polymer Carriers
↘ Blown film	✓ PE
↘ Cast film	✓ Universal
↘ Sheet extrusion	
↘ Profile extrusion	
↘ Blow moulding	
↘ Injection moulding	

WELLS AID



WellsAid is a range of polymer processing additive masterbatches designed to promote trouble free manufacturing in all extrusion processes. The use of WellsAid masterbatches will improve the melt processability and handling of high molecular weight polymers, eliminating melt fracture in blown films and preventing die build up in blown, cast, sheet and profile extrusion. WellsAid can give finished articles improved aesthetic properties by removing flow marks and die lines, thereby improving the part's surface gloss and clarity. Technologies used include both high performance fluoropolymer and innovative PFAS free systems.

Applications	Polymer Carriers
↘ Blown film	✓ PE
↘ Cast film	✓ PP
↘ Sheet extrusion	✓ PS
↘ Profile extrusion	
↘ Nonwovens & fibre	

WELLS BLOCK



WellsBlock is a range of antiblocking masterbatches which are designed to eliminate blocking in film and sheet extrusion. WellsBlock masterbatches will prevent adjacent layers of film or sheet from adhering or sticking to each other enabling them to be easily separated.

This will provide major improvements in certain properties not least with winding / unwinding quality in reeled materials, producing easy opening packaging and the denesting of thermoformed articles.

Applications	Polymer Carriers
↘ Blown film	✓ PE
↘ Cast film	✓ PP
↘ BOPP	✓ PET
↘ Sheet extrusion	

WELLS DRY



WellsDry is a range of highly concentrated desiccant masterbatches carefully designed to eliminate moisture from extrusion and moulding processes.

WellsDry desiccants can offer a simple and economical way to eliminate moisture problems in polymer processing that can otherwise cause unattractive surface defects such as lensing, voiding and splash marks.

WellsDry masterbatches can reduce the need for pre-drying of materials, allow processors to successfully use high concentrations of recycle polymers with problematic levels of moisture, and increase the control of processing moisture sensitive polymers.

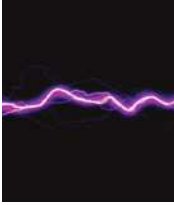
Applications

- Blown film
- Cast Film
- Sheet extrusion
- Profile Extrusion
- Blow Moulding
- Injection Moulding

Polymer Carriers

- ✓ PE
- ✓ PLA

WELLS STAT



WellsStat is a range of antistatic masterbatches that can be incorporated into many polymeric materials.

WellsStat antistatic agents will minimise the natural tendency of most polymers to accumulate static charge at the surface. The incorporation of WellsStat can prevent dust build up on parts during storage, eliminate static shocks to personnel and in film applications promote faster packing speeds and improved handling of the film.

Applications

- Blown film
- Cast film
- BOPP
- Sheet extrusion
- Profile extrusion
- Blow moulding
- Injection moulding
- Nonwovens and fibre

Polymer Carriers

- ✓ PE
- ✓ PP
- ✓ PS

WELLS FLAM



WellsFlam is a range of flame retardant masterbatches and compounds for use in multiple applications including construction films, insulation products, electrical housings and automotive components.

WellsFlam flame retardant masterbatches can be added to a range of polymers to enhance their fire resistance properties by increasing the materials ignition temperature, reducing flame propagation speeds and reducing smoke emissions.

Applications

- Blown film
- Cast film
- Sheet extrusion
- Profile extrusion
- Blow moulding
- Injection moulding

Polymer Carriers

- ✓ PE
- ✓ PP
- ✓ ABS
- ✓ PC

WELLS CLEAN



WellsClean is a range of high performance, cost effective cleaning agents and shutdown materials suitable for use with many types of polymer processing machinery.

For efficient and defect free manufacturing, it is essential to maintain the cleanliness of extrusion and moulding equipment and the use of WellsClean compounds will greatly help to achieve this, giving the processor faster start-ups and reduced production scrap.

Applications

- Blown film
- Sheet extrusion
- Profile extrusion
- Blow moulding
- Injection moulding

Polymer Carriers

- ✓ PE

WELLS SLIP



WellsSlip is a range of slip additive masterbatches which can be added to polymeric materials to reduce their surface coefficient of friction.

A reduction in friction can help to give faster packing speeds in films and in moulding applications. Slip agents can be used to deliver controlled torque release properties for screw caps and closures as well as acting as mould release agent.

Applications

- Blown film
- Cast film
- BOPP
- BOPET
- Sheet extrusion
- Profile extrusion
- Blow moulding
- Injection moulding

Polymer Carriers

- ✓ PE
- ✓ PP
- ✓ PS
- ✓ PET

WELLS STAB



WellsStab is a range of additive masterbatches containing optimised stabiliser systems designed to increase the service life and physical properties of polymer articles when exposed to UV light and/or heat. In addition WellsStab contains a range of products specifically designed for recycled feedstocks which significantly benefit from enhanced stabilisation during processing.

WellsStab products include UV stabilisers to protect polymeric materials from UV light degradation and UV absorbers to protect light sensitive packaged materials. As well as Antioxidants to increase a polymers resistance to elevated temperature during processing and in service and Antioxidants for the processing of recycled feedstocks.

Applications

- Blown film
- Cast Film
- BOPP
- Sheet extrusion
- Profile Extrusion
- Blow Moulding
- Injection Moulding
- Nonwovens and fibre

Polymer Carriers

- ✓ PE
- ✓ PP
- ✓ PA
- ✓ PET

WELLS LITE



WellsLite is a range of blowing agent masterbatches designed to produce polymeric foams, give component weight reduction opportunities and eliminate sink marks in injection moulding.

WellsLite products are suitable for use in commodity and engineering polymers and they can also be used in mineral filled systems. Both endothermic and exothermic systems are available.

Applications

- Sheet extrusion
- Profile extrusion
- Injection moulding
- Foam production

Polymer Carriers

- ✓ PE
- ✓ Universal

WELLS

Performance Materials

reverte™

BACTi^glas™

Compol™ 94

WELLS LITE

WELLS AID

WELLS SCENT

WELLS BLOCK

WELLS CLEAN

WELLS STAB

WELLS SLIP

WELLS STAT

WELLS BIO

WELLS FREE

WELLS DRY

WELLS FLAM



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