



OM POLYBLEND

your perfect compounding partner

ENGINEERED MASTERBATCH
SOLUTIONS FOR MODERN PLASTICS



DELIVERING CONSISTENT QUALITY, PERFORMANCE, AND INNOVATION
ACROSS A WIDE RANGE OF POLYMER APPLICATIONS.

YOUR PARTNER IN ADVANCED MASTERBATCH SOLUTIONS



COMPANY OVERVIEW

Om Polyblends is a specialized manufacturer of colour, additive & specialty masterbatches engineered to enhance the performance, functionality & aesthetics of plastic products.

With a strong focus on quality, consistency & innovation, we deliver reliable masterbatch solutions across packaging, automotive, electrical, consumer & industrial applications. Our products are designed to be compatible with a wide range of polymers, ensuring smooth processing & superior end-use performance.

Backed by technical expertise & application driven R&D, Om Polyblends works closely with customers to develop customized masterbatch solutions that meet evolving industry demands.

WHY OM POLYBLEND

- ❖ Advanced formulation & compounding expertise
- ❖ Consistent quality & excellent dispersion
- ❖ Wide polymer compatibility
- ❖ Customized Colors & Additive Solutions
- ❖ Reliable technical & application support

OUR VISION

To be a trusted & innovative masterbatch partner, delivering high-performance polymer solutions that set benchmarks in quality, reliability & technological advancement within the plastics industry.

OUR MISSION

- ❖ To engineer masterbatch solutions that enhance polymer performance & processing efficiency
- ❖ To continuously innovate through research, technology & application expertise
- ❖ To deliver consistent quality & value to customers across diverse industries
- ❖ To build long-term partnerships through trust, service & technical support

OUR COMMITMENT

Quality | Innovation | Performance | Partnership

We are committed to supplying masterbatch solutions that enable our customers to manufacture better, stronger & more reliable plastic products.



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BETA NUCLEATION MASTERBATCH FOR POLYPROPYLENE (PP)

PRODUCT OVERVIEW

Om Polyblends Beta Nucleation Masterbatch is a high-performance additive developed for polypropylene (PP) to promote beta-phase crystal formation. By modifying the polymer's crystalline structure, it significantly improves impact strength, flexibility, dimensional stability & processing efficiency, making it ideal for high-performance & demanding applications

TECHNICAL & APPLICATION OVERVIEW

TECHNOLOGY	KEY BENEFITS	APPLICATIONS	DOSAGE
Beta-phase crystal induction in PP	<ul style="list-style-type: none">High impact strengthReduced warpageFaster cycle timeImproved heat resistance	<ul style="list-style-type: none">Thermoformed sheetsPipes & fittingsFilms & fibersAutomotive & injection moulded partsGeogrids	1-2% application dependent

HOW IT WORKS

This masterbatch induces beta-phase crystal formation in polypropylene, replacing conventional alpha-crystal dominance.

The controlled crystallization behaviour results in :

- Higher impact resistance
- Reduced shrinkage
- Improved optical properties
- Balanced mechanical performance

Compared to conventional PP, beta-nucleated PP delivers superior toughness & processing efficiency



VCI (VOLATILE CORROSION INHIBITOR) MASTERBATCH

PRODUCT OVERVIEW

VCI Masterbatch is a specialty polymer additive designed to protect metal components from rust & corrosion during storage & transportation. When incorporated into plastic films, bags, or moulded products, VCI molecules slowly migrate & form an invisible molecular protective layer over metal surfaces, preventing oxidation.



KEY BENEFITS

- ◆ Prevents rusting without oils, greases, or coatings
- ◆ Provides clean, dry, long term protection
- ◆ Extends shelf life of metal components
- ◆ Compatible with recyclable & eco-conscious packaging
- ◆ Suitable for export & industrial packaging

APPLICATIONS

- ◆ VCI stretch & shrink films
- ◆ VCI poly & zipper bags
- ◆ Sheets, liners & pallet covers
- ◆ Injection moulded protective parts
- ◆ Export & industrial metal packaging

TYPE

AMINE-BASED VCI MASTERBATCH

BEST SUITED FOR

- ◆ Steel
- ◆ Cast Iron
- ◆ Carbon Steel

ADVANTAGES

- ◆ Strong & fast corrosion inhibition
- ◆ Cost-effective solution for ferrous metals

LIMITATIONS

- ◆ Slight odor
- ◆ Possible film yellowing over time
- ◆ Limited protection for non-ferrous metal

AMINE-FREE VCI MASTERBATCH

- ◆ Steel, Cast Iron
- ◆ Copper, Brass
- ◆ Aluminum, Zinc
- ◆ Odorless & clean
- ◆ Transparent films possible
- ◆ Excellent multi metal protection
- ◆ Long-term stability
- ◆ Higher cost
- ◆ Slower initial protection
- ◆ Requires proper sealing

PURGING POWDER & PURGING GRANULES

Efficient Cleaning for Plastic Processing Equipment

PRODUCT OVERVIEW

Purging Powder & Granules are specially formulated to remove residual polymers, colorants, additives & carbon deposits from plastic processing machines. These solutions help reduce downtime, minimize wastage & improve machine efficiency across a wide range of polymers.



ADVANTAGES

- ◆ Quick & effective cleaning
- ◆ Ideal for grade & color changeovers
- ◆ Works across 160°C ~ 320°C
- ◆ Non-corrosive, non-toxic & easy to use
- ◆ Extends screw & barrel life

PRODUCT FORMS

- ◆ Purging Powder – Ideal for small machines, hot runners & fine cleaning
- ◆ Purging Granules – Suitable for extrusion & high-flow injection moulding

COMPATIBLE POLYMERS

- ◆ Engineering Plastics: ABS, Nylon (PA), PBT, PC, PMMA, POM
- ◆ Commodity Plastics: PP, PE, PS, PVC

APPLICATIONS

- ◆ Injection moulding
- ◆ Extrusion
- ◆ Blow moulding
- ◆ Film & sheet extrusion
- ◆ Recycling & compounding



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MASTERBATCHES & SPECIALTY COMPOUNDS

PRODUCT	FUNCTION / PURPOSE	KEY BENEFITS	TYPICAL APPLICATIONS
Colour Masterbatch	Provides uniform & customized coloration	<ul style="list-style-type: none"> Wide colour range & customized shades Excellent dispersion Thermal & processing stability 	Packaging, injection & blow moulding, fibers, consumer goods
White Masterbatch	Enhances whiteness, opacity & brightness	<ul style="list-style-type: none"> High opacity & gloss Uniform dispersion Improved surface finish 	Films, moulded articles, household products
Black Masterbatch	Deep black colour & UV protection	<ul style="list-style-type: none"> High jetness Consistent colour strength Good weather resistance 	Pipes, films, automotive & industrial components
Nucleating / Clarifying Masterbatch	Controls polymer crystallization	<ul style="list-style-type: none"> Improved clarity & transparency Increased stiffness & strength Reduced cycle time 	PP & PET packaging, transparent containers
Polymer Processing Aid Masterbatch	Improves processing efficiency	<ul style="list-style-type: none"> Reduces die build-up Improves surface smoothness Higher production output 	Film extrusion, injection moulding, compounding
Anti-Static Masterbatch	Reduces static electricity	<ul style="list-style-type: none"> Prevents dust attraction Improves handling & safety Cleaner surfaces 	Packaging films, electronic packaging, moulded parts
Anti-Oxidant Masterbatch	Prevents thermal & oxidative degradation	<ul style="list-style-type: none"> Improves heat stability Protects polymer during processing Extends product life 	Films, injection moulded parts, industrial plastics
Frosting Masterbatch	Creates frosted / matte surface effect	<ul style="list-style-type: none"> Uniform matte finish Enhanced aesthetic appeal Scratch masking 	Packaging bottles, cosmetic containers, consumer products
Laser Marking Masterbatch	Enables laser engraving on plastics	<ul style="list-style-type: none"> Clear, permanent markings No inks or labels required High contrast marking 	Automotive parts, electronics, packaging, traceability marking



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MFI Modifier Masterbatch	Adjusts & controls Melt Flow Index (MFI)	<ul style="list-style-type: none"> • Improves flowability during processing • Enables use of lower MFI base resin • Better mould filling & surface finish • Improved productivity & consistency 	Injection moulding, thin-wall parts, fibers, film & sheet extrusion
Light Stabilizer (UV) Masterbatch	Protects plastics from UV degradation	<ul style="list-style-type: none"> • Prevents discoloration & cracking • Enhances outdoor durability • Maintains mechanical strength 	Outdoor products, agri-films, furniture
Flame Retardant Masterbatch	Reduces flammability	<ul style="list-style-type: none"> • Improves fire safety • Slows flame spread • Regulatory compliant grades available 	Electrical, automotive, construction parts
Anti-Block Masterbatch	Prevents film sticking	<ul style="list-style-type: none"> • Easy film separation • Improved machinability • Better packaging efficiency 	Blown & cast films
Anti-Slip Masterbatch	Reduces surface friction (COF control)	<ul style="list-style-type: none"> • Smooth processing • Easier opening & stacking • Improved film handling 	Packaging films, bags, liners
Anti-Rodent Masterbatch	Protects plastics from rodent damage	<ul style="list-style-type: none"> • Prevents gnawing • Extends cable & pipe life • Reduces maintenance cost 	Wires, cables, irrigation pipes
Antimicrobial Masterbatch	Inhibits microbial growth	<ul style="list-style-type: none"> • Prevents bacteria & fungi • Hygienic & odor resistant • Long-lasting protection 	Medical products, packaging, household items
Anti-Wrap Masterbatch	Prevents film wrapping on rollers	<ul style="list-style-type: none"> • Smooth high-speed processing • Reduced downtime • Improved productivity 	High-speed film extrusion
Conductive Black Compound	Provides electrical conductivity	<ul style="list-style-type: none"> • Static discharge control • EMI protection • Consistent conductivity 	ESD packaging, electronic components
Foaming Agent Masterbatch	Creates micro-cellular structure	<ul style="list-style-type: none"> • Weight reduction • Material cost saving • Improved insulation 	Foam sheets, profiles, automotive interiors
PE Grafting Additive Masterbatch	Improves compatibility between PE & other polymers/fillers	<ul style="list-style-type: none"> • Compounds • Multilayer Films • Mineral-filled PE • Cable & pipe applications 	Enhanced interfacial adhesion, Improved mechanical properties, Better dispersion of fillers



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LET'S BUILD PLASTIC TOGETHER



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From Colour to Performance ∞ We Deliver.