

MASTERBATCH *BROCHURE*

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FILLER
MASTERBATCH



POLYINNOTECH TECHNICAL PLASTIC JOINT STOCK COMPANY (POLYINNOTECH.,JSC) is a Vietnamese manufacturer specializing in masterbatch products. Our extensive range includes filler masterbatch, white masterbatch, black masterbatch, color masterbatch, additives, and engineering compounds. With a global presence and commitment to quality, POLYINNOTECH is a trusted name in the industry.

CORE VALUE



INDUSTRIAL
COMPETITIVE



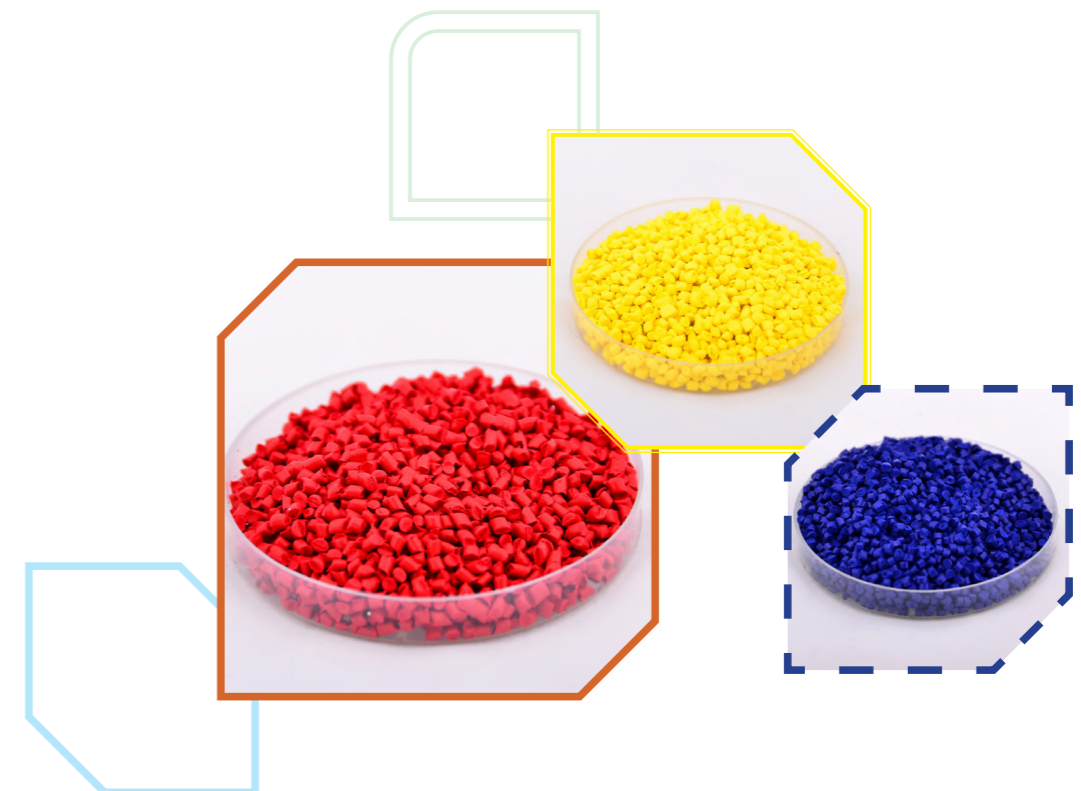
INNOVATIVE



HUMAN
CENTRIC



WIN WIN



OUR FACTORIES



FACTORY: POLYINNOTECH JSC.,

Total Area: 50,000 m²

Capacity: 72,000 tons/year

Production Lines: 5 lines

Employees: 100 people

Address: Nghia Long, Nghia Dan, Nghe An Province, Vietnam





PE FILLER MASTERBATCH

PolyInnotech JSC., always brings the best quality products to our customers.

PE Filler Masterbatch is the combination of Polyethylene Resin and CaCO₃ ultrafine powder + Additives.

No.	Specification	Test Method	Unit	Applications				
				Blown Film	Blow Molding	Injection	Extrusion	Tarpaulin
1	Base	--	--	LLDPE	HDPE	LLDPE	HDPE	HDPE
2	Gv	--	--	INNO 1001 INNO 1041 INNO 1051	INNO 1046 INNO 4026 INNO 1006	INNO 1004 INNO 1024 INNO 1044	INNO 4005 INNO 4025 INNO 4045	INNO 4002 INNO 4022 INNO 4042
3	CaCO ₃ D50 Particle size	Lasser diffraction	μ	1-3	1-3	1-3	1-3	1-3
4	Melt Flow Index (2.16kg/230 °C)	ASTM D1238	g/10 mins	0.5-1.5	1-2	5-15	1-2	3-5
5	Specific Gravity Density	ASTM D1505	g/cm ³	1.8±0.5	1.8±0.5	1.8±0.5	1.8±0.5	1.8±0.5
6	Moisture (Max)	Precisa	%	0.1	0.1	0.1	0.1	0.1

*Note: We can supply many other different grades of Filler Masterbatch depending on client's specification requirement. We are also pleased to provide samples for trial in your own facility.

APPLICATIONS

Blown Film



Blown Molding



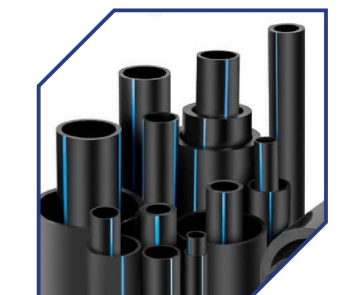
Tarpaulin



Injection



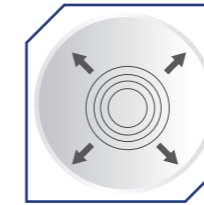
HPDE Pipe Extrusion



WHY CHOOSE US?



High dosing rate



Good dispersion



Good printability



Smooth surface



Low moisture



PP FILLER MASTERBATCH

PolyInnotech JSC., always brings the best quality products to our customers.

PP Filler Masterbatch is the combination of Polypropylen Resin and CaCO3 ultrafine powder + Additives.

No.	Specification	Test Method	Unit	Applications				
				PP Woven	PP Non-woven	Injection	Thermoforming	Lamination
1	Base	--	--	PP	PP	PP	PP	PP
2	Grades	--	--	INNO 2002 INNO 2022 INNO 2042	INNO 2003 INNO 2023	INNO 2004 INNO 2024 INNO 2044	INNO 2037 INNO 2027 INNO 2007	INNO 2158 INNO 2188
3	CaCO3 D50 Particle size	Lasser diffraction	μ	1-3	1-3	1-3	1-3	1-3
4	Melt Flow Index (2.16kg/230 °C)	ASTM D1238	g/10 mins	5-7	30-35	8-12	10-15	25-30
5	Specific Gravity Density	ASTM D1505	g/cm3	1.8±0.5	1.8±0.5	1.8±0.5	1.8±0.5	1.8±0.5
6	Moisture (Max)	Precisa	%	0.1	0.1	0.1	0.1	0.1



WHY CHOOSE US?



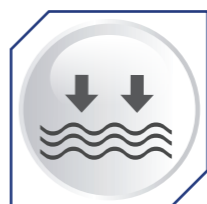
High dosing rate



Excellent elongation



Good Compatibility



Low water carryover



Enhance strength

Woven/Raffia



Non-Woven



Injection



Thermoforming



Lamination



*Note: We can supply many other different grades of Filler Masterbatch depending on client's specification requirement. We are also pleased to provide samples for trial in your own facility.

WHITE MASTERBATCH

PolyInnotech JSC, is proud to supply the highest quality of White Masterbatch at the competitive price to customers for over 60 countries.

WHY CHOOSE US?



High opacity



Improve the whiteness & lightness



Absorb UV light

No	Index	Test Method	Unit	Typical Value
1	Carrier	---	---	LLDPE/PP/PET
2	Tio2	--	%	10-70
3	Processing Temperature	DCS	oC	150
4	MI @ 2.16kg/190oC	ASTM D1238	g/10 mins	15-20
5	Density	ASTM D1505	g/cm3	2.0±0.5
6	Moiture	ASTM D644	%	0.1 max
7	Shape	---	Granule	2~3mm

APPLICATIONS



HDPE Blow Molding



PP Injection Molding



PP Woven & Nonwoven Bag



Shopping Bags & Garbage Bags

BLACK MASTERBATCH

PolyInnotech JSC, is proud to supply the highest quality of Black Masterbatch at the competitive price to customers for over 60 countries.

WHY CHOOSE US?



Great dispersion



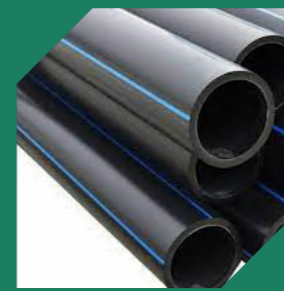
High color fastness and thermal resistance



Improve end-products' properties, such as UV resistance

No	Index	Test Method	Unit	Typical Value
1	Carrier	---	---	LLDPE/PP/PET
2	Black Carbon	---	%	10-50
3	Melt Temperature	---	oC	150
4	MI @ 2.16kg/190oC	ASTM D1238	g/10 mins	15-20
5	Density	ASTM D1505	g/cm ³	2.0±0.5
6	Moiture	ASTM D644	%	0.1 max
7	Shape	---	Granule	2~3mm
8	Recommended usage rate	---	%	2-5%

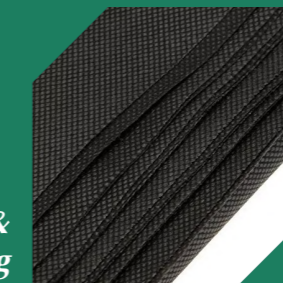
APPLICATIONS



HDPE Pipe



PP Injection & Thermoforming



PP Woven & Nonwoven Bag



Shopping Bags & Garbage Bags

COLOR MASTERBATCH

PolyInnotech JSC, is proud to supply different types of color masterbatch at highest quality to customers for over 60 countries.

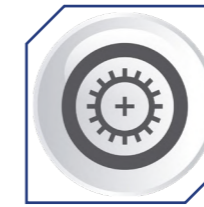
No	Index	Test Method	Unit	Typical Value
1	Carrier	---	---	LLDPE/PP/PET
2	Pigment content	---	%	10-45
3	Melt Temperature	---	°C	110-130
4	MI @ 2.16kg/190°C	ASTM D1238	g/10 mins	15-20
5	Density	ASTM D792	g/cm ³	1.8±0.5
6	Moiture	ASTM D644	%	0.1 max
7	Shape	---	Granule	2~3mm
8	Color			Blue,Green, Yellow,Red, Orange,Beige, Purple...

* We can customize & supply different types of Color Masterbatch depending on the client's specification requirement.

WHY CHOOSE US?



Great dispersion



High color fastness



Improve product's properties



Various color shades

APPLICATIONS

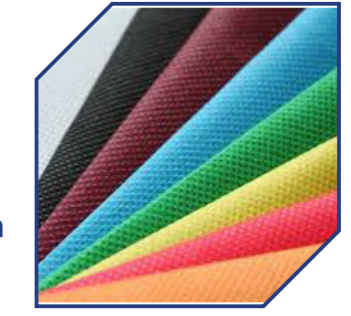
Blown Film



PP Woven/Raffia



PP Nonwoven

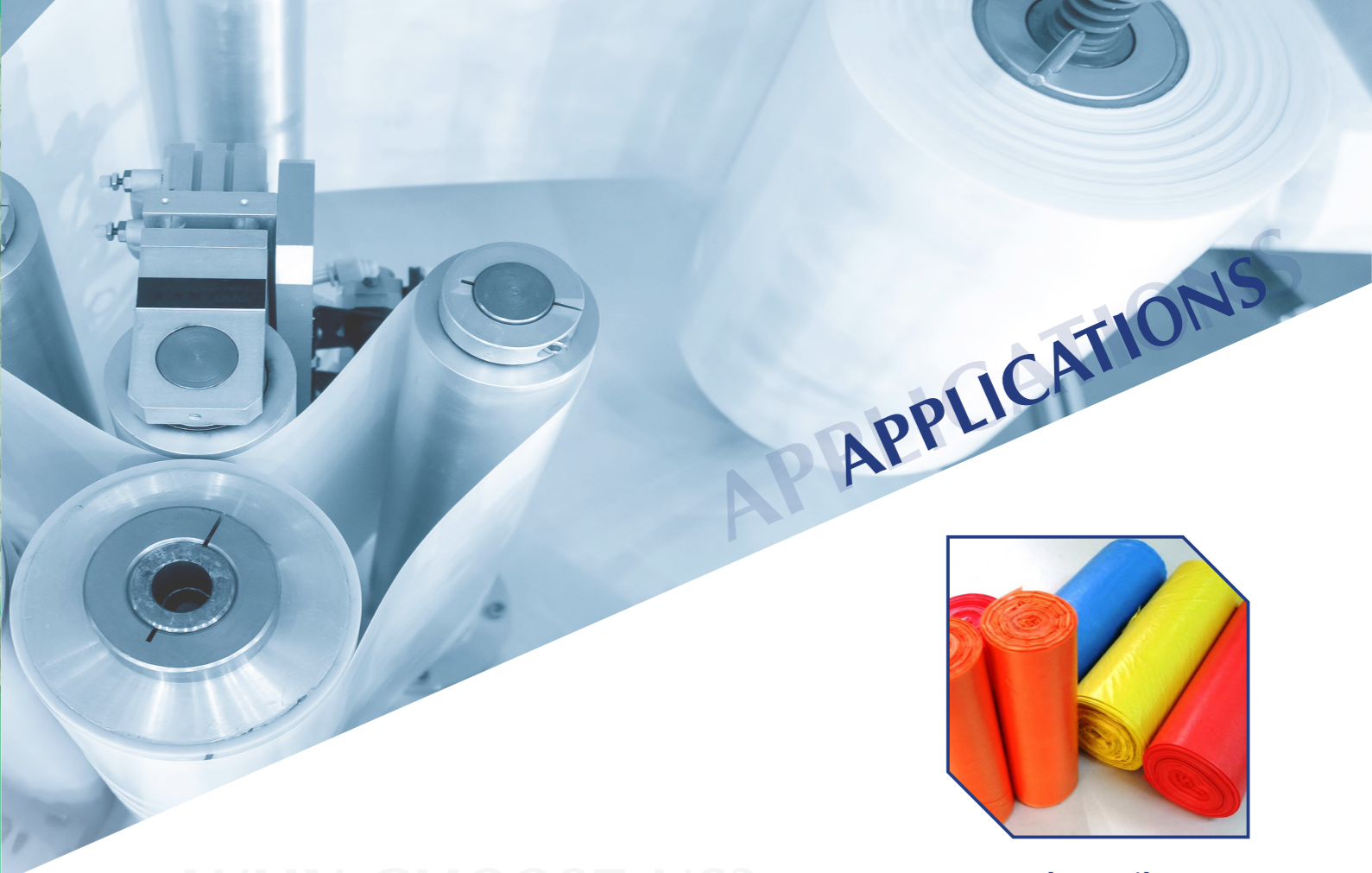


PP Injection Molding



Blow Molding





DESICCANT MASTERBATCH

Desiccant Masterbatch contains Calcium Oxide (CaO), which is a strong water absorber.

POLYINNOTECH JSC, is proud to supply desiccant masterbatch to customers for over 60 countries & most of our customers are satisfied with our quality.

Items	Test Method	Unit	Standard
Calcium Oxide content	ASTM D 5630	wt %	75±2
MFR (2.16kg/190°C)	ASTM D 1238	g/10 mins	≥ 1
Melt Temperature	DSC	°C	120
Bulk density	ASTM D1895	g/cm ³	1.1±0.5
Water Content	ASTM D 644	wt %	0

* We can customize & supply different types of Desiccant Masterbatch depending on the client's specification requirement.

WHY CHOOSE US?



*Remove
Moisture*



*Cuts out the
oxidizing effect that
occurs during the
recycling of the polymer.*



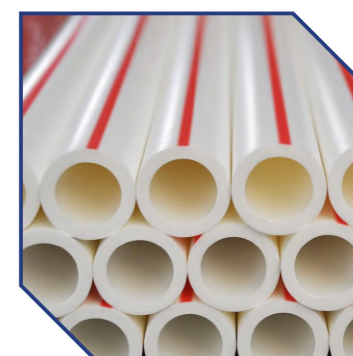
*Low Dosage
rate: 1-2%*



Blown Film



PP Injection Molding



Sheet/ Pipe Extrusion

ADDITIVE MASTERBATCH

ALL YOU NEED TO IMPROVE PLASTIC'S PRODUCTION

ENGINEERING PLASTIC COMPOUND



Optical Brightener Masterbatch



Bio Masterbatch



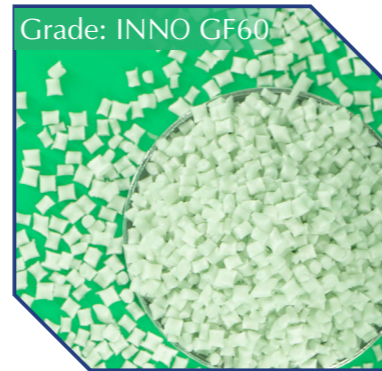
Processing-Aid Masterbatch



Anti-UV Masterbatch



Anti-Block Masterbatch



Fiber Glass Compound

Grade	Description
Grade: INNO 2052	Reduce yellowing, brightener whiteness, and enhance the brightness
Grade: INNO BIO-ST01	Solutions for the sustainable market. Meet latest biodegradability and composability regulations and requirements
Grade: INNO PPA02	Enhance the melting processability, and handling of high molecular weight plastics
Grade: INNO UV04Y	Prevent UV light's negative impacts on end-products and Maintain end-products' mechanical properties and improve end-products' durability.
Grade: INNO ATB01	Improve the handling, solve the blocking problem and upgrade plastic products to reach maximum efficiency
Grade: INNO GF60	Improve Strength, impact resistance and Weather Resistance

Beside mentioned Additive Masterbatch, we can supply many different types of Additive masterbatch depending on client's specification requirements, such as: Flame retardant additives, Antioxidant Masterbatch, Polymer processing additives, Cling additives masterbatch, PET Masterbatch, Transparent Filler masterbatch ...



PP Compound



PE Compound



ABS Compound

Grade	Description
Grade: INNO PPC	Chosen due to its chemical resistance, light weight, moisture barrier properties, and electrical insulation.
Grade: INNO PEC	Chosen due to its versatility, durability, and resistance to moisture and chemicals.
Grade: INNO ABS	Chosen due to its high impact resistance, toughness, and ability to be injection molded.

Computer components



Electronic



Office equipments



Cameras



In addition to the standard offerings, we provide a variety of engineering plastic compounds tailored to meet specific client specifications, including flame retardant compounds, antioxidant compounds, polymer processing aids, cling compounds, PET compounds, and transparent filler compounds, among others.

PACKAGING & LOADING



CERTIFICATION

Thanks to the advantages of our own Calcium Carbonate powder factories, we commit customers to the most competitive prices and highest quality products. Our Masterbatch are approved for use in food contact packaging: without heavy metal, meeting Halal certification and REACH standards complying with EU regulations.





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