



HITECH PLAST JOINT STOCK COMPANY

The Leading
FILLER MASTERBATCH Manufacturer



GENERAL INTRODUCTION

HITECH PLASTIC JOINT STOCK COMPANY (HITECH PLAST) IS THE MANUFACTURER OF FILLER MASTERBATCH WITH ANNUAL CAPACITY OF 150,000 MT.

Our Plant is located on 5 hectares of the Southern Industrial Zone, Yen Bai City, Yen Bai Province, Vietnam with latest technology, automatically controlled by PLC systems and operated by experienced and qualified staffs. We are proud of our modern production facility to manufacture various Masterbatches products including Filler Masterbatches, Color Masterbatches, Compound. The entire production and management processes strictly comply with the International Quality Management System ISO 9001:2015, the environment management system ISO 14001:2015, and Kaizen 5S...

Research & Development (R&D) is the core of our business with significant investment in qualified staffs, facilities, machineries and equipment to meet the highest quality of customers demand as well as a clean and green environment as a responsible corporate. Our laboratory is certified ISO17025:2017 and well-equipped with the modern instruments such as film laminating machine, film blowing machine, Particle size analyzer Malvern Mastersizer 3000E, Chroma Meter Konica Minolta CR-410 etc. Our plant is run by qualified & experienced staffs in filler masterbatch and calcium carbonate powder locally and internationally. Strategically located in the area of abundant access to raw materials, 100% of our raw materials are carefully selected and monitored to ensure the best quality and traceability.



FILLER MASTERBATCH PLANT OF HITECH PLAST



The Slogan of **“Shaping Futures”** of Hitech Plast embracing the statement and core values of the Company. It states that the best qualified products and services of Hitech Plast contributes to shape the more valuable and superior products in the future for our Customers; Hitech Plast takes the responsibility to shape a brighter future for our staff; and Hitech Plast shapes the sustainable development for the society.

HITECH PLAST - THE LEADING FILLER MASTERBATCH MANUFACTURER



STABLE AND TOP QUALITY RAW MATERIALS

POWERFUL WORKFORCE, EXPERIENCED & QUALIFIED EXPERTS IN FILLER MASTERBATCH PRODUCTION



PRODUCTS

PE FILLER MASTERBATCH

- Blown film Filler
- Injection-molding Filler
- Extrusion-molding Filler
- Lamination Filler
- Non-woven Filler
- Woven Filler

PP FILLER MASTERBATCH

- Blown film Filler
- Injection-molding Filler
- Extrusion molding Filler
- Blow-molding Filler
- Lamination Filler
- Woven Filler

WHITE MASTERBATCH (TiO₂)

- White Masterbatch 70%
- White Masterbatch 60%
- White Masterbatch 50%
- White Masterbatch 40%
- White Masterbatch 30%
- White Masterbatch 20%

TRANSPARENT FILLER MASTERBATCH (BaSO₄)

- Transparent Filler masterbatch 100%
- Transparent Filler masterbatch 60%

COMPOUND

- PE Compound
- PP Compound

ADDITIVES

- Slip Masterbatch

Filler Masterbatches of Hitech Plast are produced by modern technology together with the best quality raw materials strictly selected and monitored to ensure the best quality and sustainable products which will bring the optimal economic efficiency in application to the Customers.



**CHROMA METER
KONICA MINOLTA CR-410**



FILM LAMINATING MACHINE



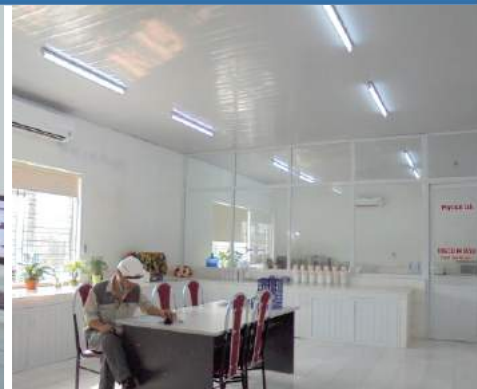
LABORATORY IS WELL EQUIPPED WITH STATE-OF-THE-ART MACHINERIES AND EQUIPMENT...



FILM BLOWING MACHINE



**PARTICLE SIZE ANALYZER
MALVERN MASTERSIZER 3000E**



LABORATORY

TECHNICAL SPECIFICATIONS

PE FILLER MASTERBATCH

Technical specifications	Particle size of CaCO ₃ powder (D50)	Melt flow index (190°C/2.16kg)	Melt temperature	Density	Moisture	Usage %
Test method	Malvern 3000E	ASTM D1238	DSC (Internal Method)	ASTMD 792	ASTM D6980	
Application \ Unit	µm	g/10 Min	°C	g/cm ³	%	%
Blown film filler	1 - 4	0.05 - 7	110 ± 5	1.84 - 2.0	≤ 0.1	5 - 40
Injection- molding filler	1 - 4	0.1 - 15	110 ± 5	1.85 - 2.0	≤ 0.1	5 - 50
Extrusion molding filler	1 - 4	0.05 - 10	110 ± 5	1.84 - 2.0	≤ 0.1	5 - 45
Non-woven filler	1 - 4	0.05 - 7	110 ± 5	1.84 - 2.0	≤ 0.1	5 - 45
Lamination filler	1 - 4	5 - 12	110 ± 5	1.84 - 2.0	≤ 0.1	5 - 40
Woven filler	1 - 4	0.05 - 10	110 ± 5	1.84 - 2.0	≤ 0.1	5 - 40

PP FILLER MASTERBATCH

Technical specifications	Particle size of CaCO ₃ powder (D50)	Melt flow index (230°C/2.16kg)	Melt temperature	Density	Moisture	Usage %
Test method	Malvern 3000E	ASTM D1238	DSC (Internal Method)	ASTMD 792	ASTM D6980	
Application \ Unit	µm	g/10 Min	°C	g/cm ³	%	%
Blown film filler	1 - 4	2 - 10	155 ± 5	1.87 - 2.0	≤ 0.1	5 - 40
Injection- molding filler	1 - 4	20 - 60	155 ± 5	1.87 - 2.1	≤ 0.1	5 - 50
Extrusion molding filler	1 - 4	2 - 15	155 ± 5	1.83 - 2.1	≤ 0.1	5 - 50
Blow-molding filler	1 - 4	20 - 60	155 ± 5	1.87 - 2.0	≤ 0.1	5 - 50
Lamination filler	1 - 4	20 - 30	155 ± 5	1.87 - 1.98	≤ 0.1	5 - 40
Woven filler	1 - 4	2 - 15	155 ± 5	1.83 - 2.1	≤ 0.1	5 - 40

WHITE FILLER MASTERBATCH (TiO₂)

Technical specifications	Particle size of CaCO ₃ powder (D50)	Melt flow index (190°C/2.16kg)	Melt temperature	Density	Moisture	Usage %
Test method	Malvern 3000E	ASTM D1238	DSC (Internal Method)	ASTMD 792	ASTM D6980	
Application \ Unit	µm	g/10 Min	°C	g/cm ³	%	%
White Masterbatch 70%	1 - 4	18 - 25	110 ± 5	2.2 - 2.3	≤ 0.1	0.5 - 5
White Masterbatch 60%	1 - 4	17 - 25	110 ± 5	2.1 - 2.3	≤ 0.1	0.5 - 5
White Masterbatch 50%	1 - 4	10 - 18	110 ± 5	2.1 - 2.2	≤ 0.1	0.5 - 5
White Masterbatch 40%	1 - 4	5 - 14	110 ± 5	2.0 - 2.2	≤ 0.1	1 - 10
White Masterbatch 30%	1 - 4	5 - 10	110 ± 5	2.0 - 2.2	≤ 0.1	1 - 10
White Masterbatch 20%	1 - 4	4 - 9	110 ± 5	1.95 - 2.1	≤ 0.1	1 - 10

TRANSPARENT FILLER MASTERBATCH (BASO₄)

Technical specifications	Particle size of CaCO ₃ powder (D50)	Melt flow index (190°C/2.16kg)	Melt temperature	Density	Moisture	Usage %
Test method	Malvern 3000E	ASTM D1238	DSC (Internal Method)	ASTMD 792	ASTM D6980	
Application \ Unit	µm	g/10 Min	°C	g/cm ³	%	%
Transparent Filler Masterbatch 100%	1 - 4	15 - 22	110 ± 5	2.1 - 2.2	≤ 0.1	5 - 20
Transparent Filler Masterbatch 60%	1 - 4	5 - 10	110 ± 5	2.1 - 2.2	≤ 0.1	5 - 20

OTHER ADDITIVES

Technical specifications	Particle size of CaCO ₃ powder (D50)	Melt flow index (190°C/2.16kg)	Melt temperature	Density	Moisture	Usage %
Test method	Malvern 3000E	ASTM D1238	DSC (Internal Method)	ASTMD 792	ASTM D6980	
Application \ Unit	µm	g/10 Min	°C	g/cm ³	%	%
Slip masterbatch	1 - 4	0.5 - 3	110 ± 5	1.86 - 1.94	≤ 0.1	1 - 5



PRODUCTS' APPLICATIONS

Filler Masterbatches have got different applications based on the type of polymer resin (PP, PE etc.), ratio of input materials, formulations and depending on customer's demand. Hitech Plast offers a wide range of masterbatches to meet the demands of market for a variety of applications such as:



STRENGTHS & MARKETS

The strengths that make Hitech Plast different and unique are:



Hitech Plast has been providing clients with the best quality products and the most optimum optimal economic efficiency. Products of Hitech Plast have been meeting the stringent requirements of both domestic and international customers. Our products have been exporting to many countries around the world such as Middle East, Europe, America, South American, Africa, South East Asia, India, China, South Korea etc.





HITECH PLAST JOINT STOCK COMPANY

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