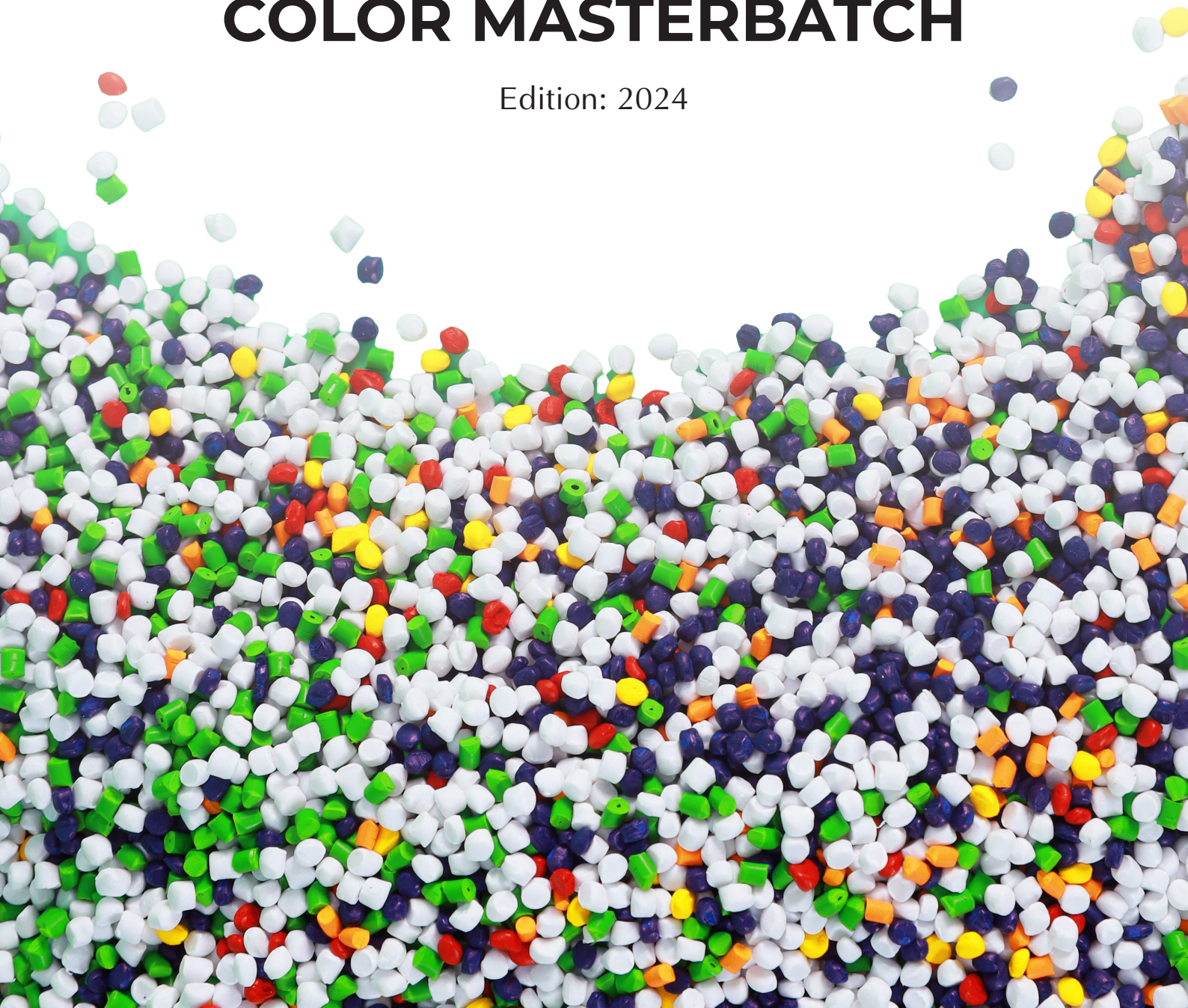




CACO3 FILLER & COLOR MASTERBATCH

Edition: 2024



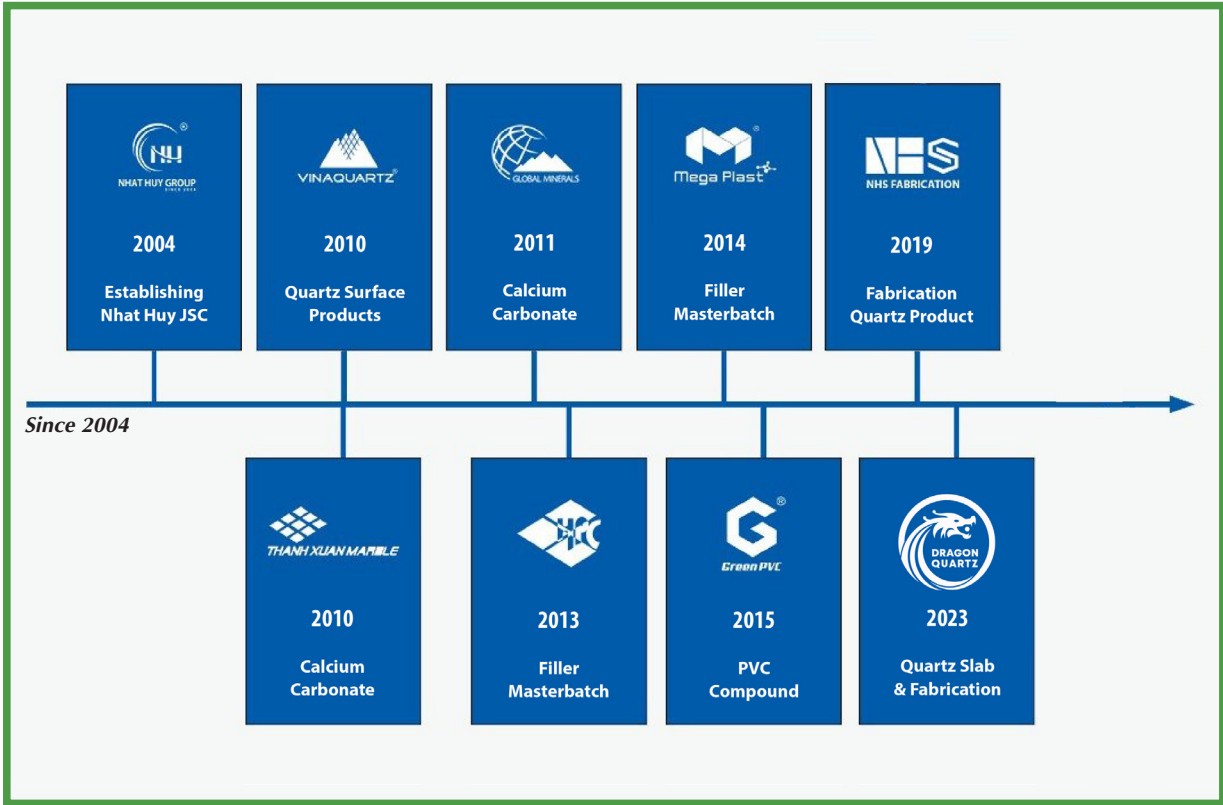
1. Introduction
 2. PE CaCO₃ Filler Masterbatch
 3. PP CaCO₃ Filler Masterbatch
 4. Black & White Masterbatch
 5. Color Masterbatch
 6. Desiccant Masterbatch
 7. Additives Masterbatch
 8. Packaging & Loading
 9. Market & Exhibition
-

CONTENTS



Nhat Huy Group is the leading manufacturer and exporter of CaCO₃ Filler, Color and others Additives Masterbatch in Vietnam. Founded in 2004, we have been doing business with customers from all over the world, spreading across five continents.

INTRODUCTION



OUR FACTORIES

Mega Plast Joint Stock Company (MEGA PLAST JSC.,) and HUU NGHI PLASTIC COMPOUNDS, JSC are plastic additive manufacturing factories which belong to NHAT HUY GROUP.



FACTORY 1: MEGA PLAST JSC.,

Total Area: 50,000 m²

Capacity: 150,000 tons/year

Production Lines: 15 lines

Employees: 300 people

Address: Small Industrial Park, Nghia Long Commune, Nghia Dan District, Nghe An Province, Vietnam.



FACTORY 2: HUU NGHI PLASTIC COMPOUNDS JSC.,

Total Area: 25,000 m²

Capacity: 50,000 tons/year

Production Lines: 5 lines

Employees: 100 people

Address: Lot 1, Thuy Van Industrial Park, Viet Tri City, Phu Tho Province, Vietnam.



PE FILLER MASTERBATCH

Mega Plast 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	HDPE	HDPE	HDPE
2	Grades	--	--	+ F201 + F261 + F251	+ B264 + B284 + B204	+ I204 + I284 + I264	+ E204 + E284 + E264	+ W204 + W284 + W264
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/190°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

WHY CHOOSE US?

Blown Film



Blow Molding



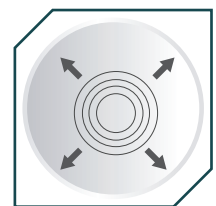
Tarpaulin



HDPE Injection



High dosing rate



Good dispersion



Good printability



Low moisture



Smooth surface

PP FILLER MASTERBATCH

Mega Plast 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	PP Pipe Extrusion
1	Base	--	--	PP	PP	PP	PP	PP	PPR
2	Grades	--	--	+W202 +W282 +W262	+ N202 + N282	+ I202 + I282 + I262	+ T272 + T282 + T202	+ L352 + L322	+ E202 + E282 + E262
3	CaCO ₃ D50 Particle size	Lasser diffraction	μ	1-3	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	4-6
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	1.8±0.5
6	Moisture (Max)	Precisa	%	0.1	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

WHY CHOOSE US?

Woven/Raffia



Non-Woven



Injection Molding



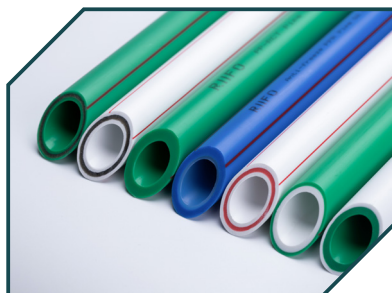
Thermoforming



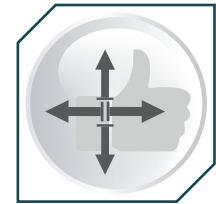
Lamination



PPR Pipe



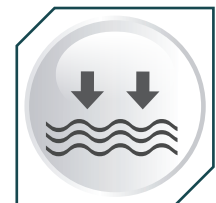
High dosing rate



Excellent elongation



Good Compatibility



Low water carryover



Enhance strength

WHITE MASTERBATCH

MEGA PLAST 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	°C	150
4	Melt Flow Index (2.16kg/190°C)	ASTM D1238	g/10 mins	15-20
5	Density	ASTM D1505	g/cm3	1.33+- 0.5
6	Moiture	ASTM D644	%	0.1 max
7	Shape	---	Granule	2~3mm
8	Recommended usage rate	---	%	2-10%

APPLICATIONS



*HDPE
Blow Molding*



*PP Injection
Molding*



*PP Woven &
Nonwoven Bag*



*Shopping Bags
& Garbage Bags*

BLACK MASTERBATCH

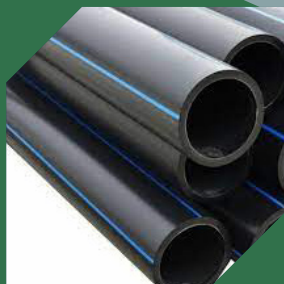
MEGA PLAST JSC., is proud to supply the highest quality of Black Masterbatch at the competitive price to customers for over 60 countries.

WHY CHOOSE US?

- Great dispersion
- High color fastness and thermal resistance
- Improve end-products' properties, such as UVresistance

No	Index	Test Method	Unit	Typical Value
1	Carrier	---	---	LLDPE/PP/PET
2	Black Carbon	---	%	10-50
3	Melt Temperature	---	°C	150
4	Melt Flow Index (2.16kg/190°C)	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

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

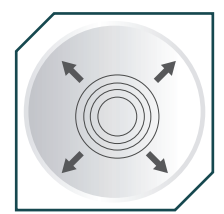
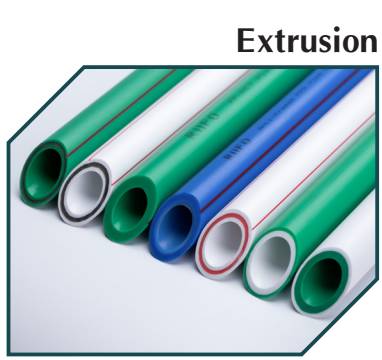
No	Index	Test Method	Unit	Typical Value
1	Carrier	---	---	LLDPE/PP/PET
2	Pigment content	---	%	10-45
3	Melt Temperature	---	°C	110-130
4	Melt Flow Index (2.16kg/190°C)	ASTM D1238	g/10 mins	15-20
5	Density	ASTM D792	g/cm ³	1.8±0.5
6	Moiture	ASTM D644	%	0.1 max
7	Shape	---	Granule	2~3mm
8	Color			Blue,Green,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

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



APPLICATIONS

WHY CHOOSE US?



Great dispersion



Improve properties



High color fastness



Various color shades

DESICCANT MASTERBATCH

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

MEGA PLAST JSC., is proud to supply DESICCANT MASTERBATCH to customers for over 60 countries & most of our customers are satisfied with our quality.

WHY CHOOSE US?

- Remove Moisture
- Cuts out the oxidizing effect that occurs during the recycling of the polymer.
- Low Dosage rate: 1-2%

Items	Test Method	Unit	Standard
Calcium Oxide content	ASTM D 5630	wt %	75±2
Melt Flow Index (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

APPLICATIONS



Blown Film



PP Injection Molding



Sheet/ Pipe Extrusion



PP Woven/Raffia

ADDITIVE MASTERBATCH

ALL YOU NEED TO IMPROVE PLASTIC'S PRODUCTION



Optical Brightener Masterbatch



Bio Masterbatch



Processing-Aid Masterbatch



Anti-UV Masterbatch



Anti-Block Masterbatch

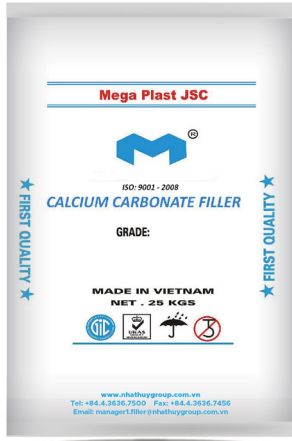


Fiber Glass Compound

Grade	Description
Grade: NH OB-03	Reduce yellowing, brightener whiteness, and enhance the brightness
Grade: NH BIO-ST01	Solutions for the sustainable market. Meet latest biodegradability and composability regulations and requirements
Grade: NH PPA02	Enhance the melting processability, and handling of high molecular weight plastics
Grade: NH UV04Y	Prevent UV light's negative impacts on end-products and Maintain end-products' mechanical properties and improve end-products' durability.
Grade: NH ATB01	Improve the handling, solve the blocking problem and upgrade plastic products to reach maximum efficiency
Grade: NH 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 ...

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.



SGS Test Report No. VNHL190801293HG-02 Date: September 06, 2019 Page 1 of 19

This report cancels and supersedes the report No. VNHL190801293HG-01 dated August 26, 2019 issued by SGS Vietnam

MEGA PLAST JOINT STOCK COMPANY
LITTLE INDUSTRIAL PARK, NGHIA LONG COMMUNE, NGHIA DAN DISTRICT, NGHIE AN PROVINCE, VIETNAM

The following sample was submitted and identified on behalf of the client as below:

SGS Job No. : VNHL190801293HG-02
 Sample Description : FILLER MASTERBATCH
 Color : WHITE PORCELAIN
 Characteristic : PE PLASTIC

Style / Item No. : FILLER MASTERBATCH
 Date of Production : 2019
 Place of Production : MEGA PLAST JOINT STOCK COMPANY
 Manufacturer : MEGA PLAST JOINT STOCK COMPANY
 Buyer :

Country of Destination : EU

Sample Receiving Date : AUGUST 05, 2019
 Final confirmed Date : AUGUST 05, 2019
 Testing Period : AUGUST 05, 2019 TO AUGUST 21, 2019

Test Requested : PLEASE REFER TO THE RESULT SUMMARY.
 Test Results : PLEASE REFER TO NEXT PAGE(S).

Test Requested	Conclusion
1. Commission Regulation (EU) No 1907/11 a) Plastic - Overall Migration b) Plastic - Specific Migration of Heavy Metals	Pass/ See result Pass/ See result
2. European Directive 84/500/EEC (Pb, Cd, Hg, Cr VI) Polycyclic Aromatic Hydrocarbons (PAHs) content	Pass/ See result
3. European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments	Pass/ See result
4. Commission Implementing Regulation (EU) No 321/2011 amending Regulation (EU) No. 1825/2011 Article 3 of European Regulation No. 1825/2011	---

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Halal Certification Agency
HCA

HALAL CERTIFICATE
Cert ID: HCA 370

This is to certify that the products described below are produced in accordance with MS 2565: 2014 & Islamic Guidelines, therefore is Halal for Muslim Consumption. The verification and certification process have been undertaken in full compliance with Halal Standards & Guidelines.

Products: FILLER MASTERBATCH
 Trademark: MEGA PLAST
 Manufactured/Distributed by: MEGA PLAST JOINT STOCK COMPANY
 Address: Little Industrial Park, Nghia Long Commune, Nghia Dan District, Nghie An Province, Vietnam

Authorized by: H. Imam Abdul Salam, Shariah Supervisor
 Date of issue: December 21, 2022
 Valid until: December 21, 2023

Registered by JAKIM, MUIS & CECOT, Approved by the Government Committee for Religious Affairs, Member of WFPF

ISOCERT
HONG KONG
CERTIFICATE
No. 9199293407869-QMS

THIS IS TO CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OF
MEGA PLAST JOINT STOCK COMPANY
 Headquarters and Factory Small Industrial Zone, Nghia Long Commune, Nghia Dan District, Nghie An Province, Vietnam.

Has been assessed and found to conform with requirements of the following standard:
ISO 9001:2015
 SCOPE CERTIFIED:
 PRODUCING PLASTICS MASTERBATCH.

Original Certification : 08.Jul.2019
 Certification date : 14.Jul.2022
 Issue date : 14.Jul.2022
 Expiration date : 13.Jul.2025
 Details in decision No. : 14072201-QD-ISOCERT

ISOCERT ISO 9001:2015
 MSc. Vu Hoang Tuan

Check the validity of the certificate: <https://isocert.org.vn/tracuu-chung-cho-so>

ISOCERT INTERNATIONAL CERTIFICATION AND INSPECTION HONG KONG COMPANY
 No. 10, A. Road, Block C, 2/F, King New Office Bldg, King Chung Street, Hong Kong, China
 Hotline: 1900.636.538, Email: info@isocert.org, Website: <http://isocert.org.vn>

MARKET & EXHIBITION





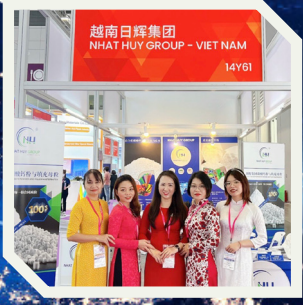
EU

UAE

INDIA

CHINA

CHINAPLAST



BANGLADESH



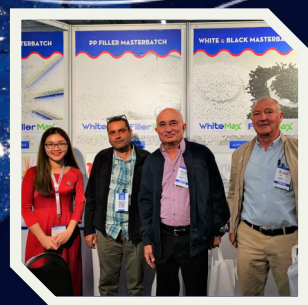
VIETNAM

ARABPLAST

PROPAC ASIA

SOUTH EAST ASIA

PLASTINDIA



COMPLAST



NHAT HUY GROUP
SINCE 2004

NHAT HUY GROUP

Address: 8th floor, Han Viet Tower, No. 203, Minh Khai Str,
Hanoi, Vietnam.

Tel: (+84) 90 226 73 98

Email: info@megaplast.com.vn



FACTORY 1: MEGA PLAST JSC

Address: Small Industrial Park, Nghia Long Commune, Nghia
Dan District, Nghe An Province, Vietnam.



FACTORY 2: HUU NGHI PLASTIC COMPOUNDS JSC

Address: Lot 1, Thuy Van Industrial Park, Viet Tri City, Phu
Tho Province, Vietnam.



www.megaplast.com.vn

