



# HOSES CATALOGUE



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# 01.

# INTRODUCTION





Nhat Huy Group ecosystem spans three core sectors: Calcium Carbonate ( $\text{CaCO}_3$ ) Powder & Masterbatch, Quartz & Cultured Marble, and PVC Compound & Hoses. Their synergy creates a strong global competitive edge, with each factory supporting the others in a seamless supply chain. This integration enables us to deliver technically advanced, high-quality, and cost-effective products—where collaboration drives innovation and excellence.

# OUR FACTORIES



# OUR FACTORIES



Nhat Huy Group is a leading Vietnamese manufacturer and exporter in the industrial support sector, using technology and innovation to serve the growing needs of the global supply chain.

Factory area:

**5 ha**

Capacity/month:

**500 tons**

Production lines:

**10**



VinaFlex is proudly a brand of the Nhat Huy Group, specializing in manufacturing and supplying high-quality hoses for diverse industrial and commercial applications. Our modern 5-hectare factory is equipped with 10 production lines, delivering a capacity of 500 tons per month.

Leveraging Nhat Huy Group's 20+ years of manufacturing and export experience, combined with advanced production technology and a focus on sustainability, Vinaflex is committed to delivering reliable hose solutions. We adhere to international quality and environmental standards, backed by professional and responsive technical support worldwide.

# ABOUT VINA FLEX



## ABOUT VINA FLEX



Vinaflex's core competitive advantage stems from our strategic position within Nhat Huy Group's integrated supply chain. We are directly supported by GreenPVC, a fellow Nhat Huy Group member and a leading producer of PVC Compound.

This vertical integration provides VinaFlex with distinct advantages:

### **Source-Level Quality Control:**

We have unparalleled control over our most critical raw material, ensuring exceptional quality and consistency in every product.

### **Competitive Pricing:**

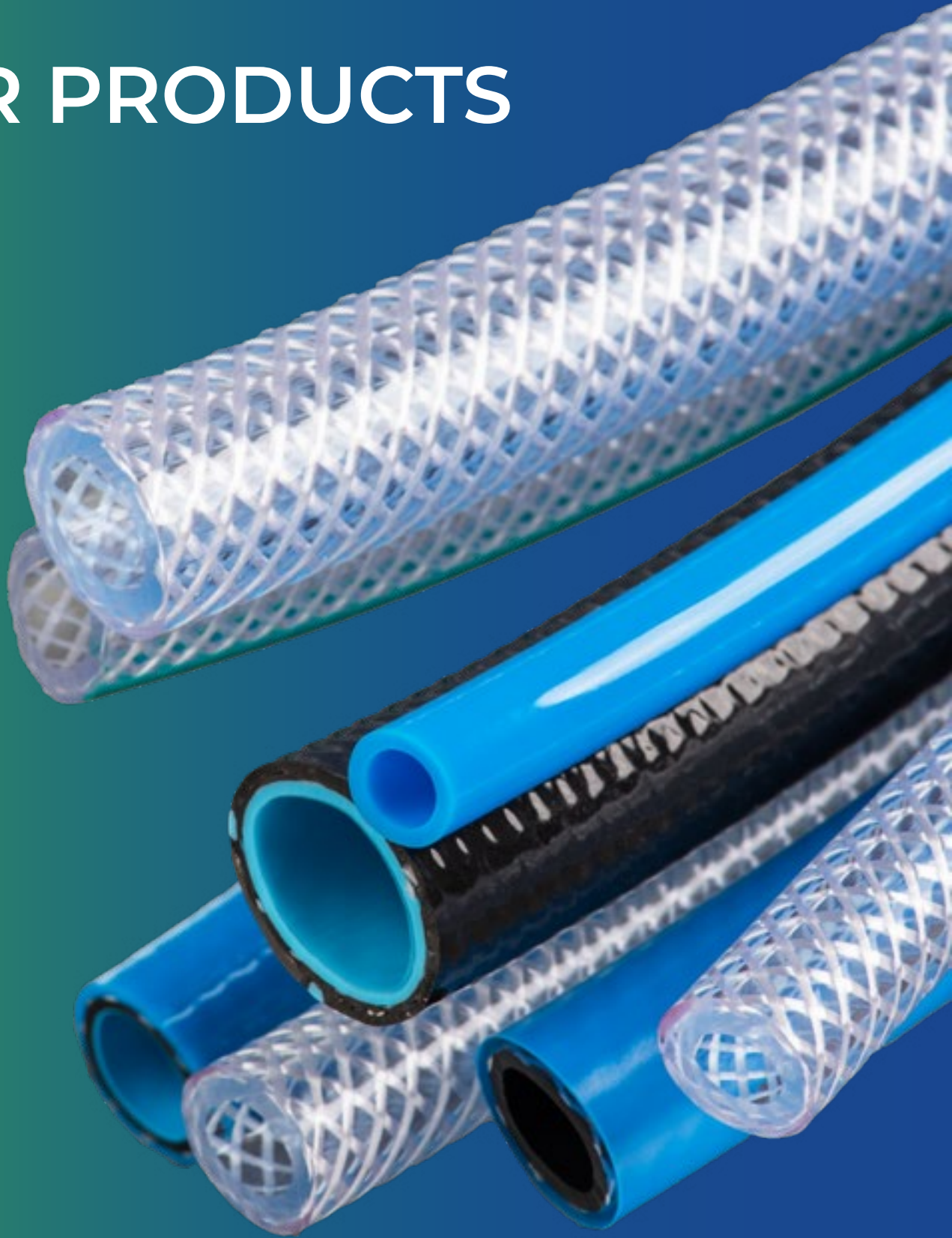
Proactive management of our material source allows us to optimize production costs, offering customers superior products at the best possible price.

### **R&D and Customization Capabilities:**

Close collaboration with GreenPVC enables us to research and develop specialized compounds, rapidly meeting any stringent customization requirements from our clients.

# 02.

## OUR PRODUCTS



# PRODUCTS OVERVIEWS

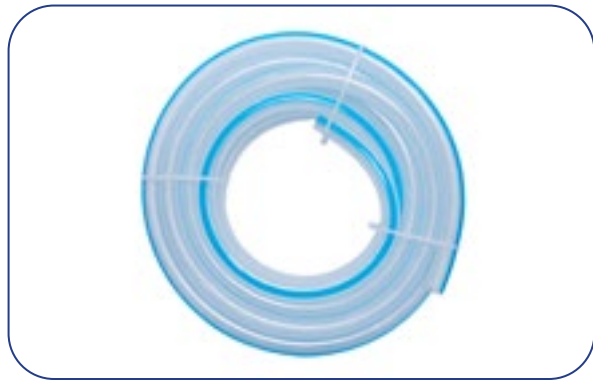


VinaFlex with a commitment to durability, flexibility, and optimal performance, delivers comprehensive solutions for the agricultural, industrial, and household sectors through three main product lines:

### Garden Hose



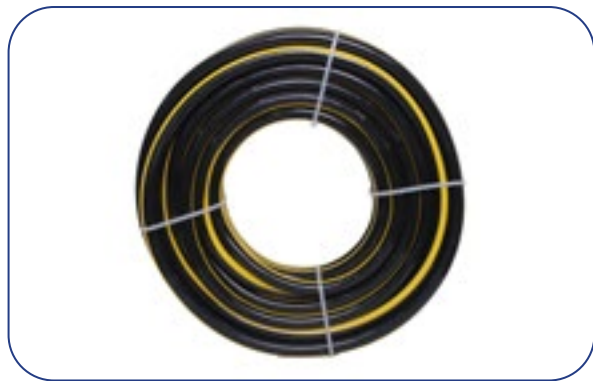
### Transparent Hose



### LayFlat Hose



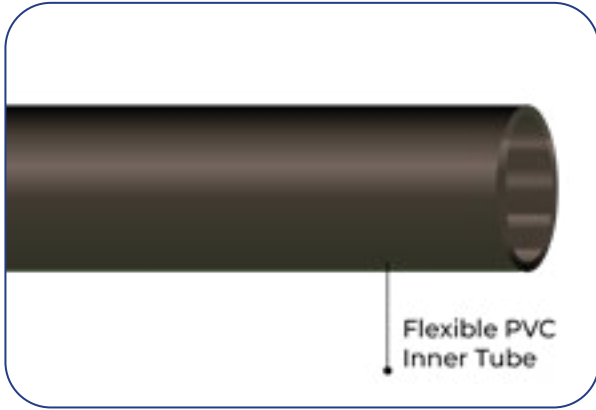
### Air Hose



### Gas Hose



## Light Duty - 1 ply



**Construction:**

Tube: PVC

**Temperature:**








-10°C (14°F) to 65°C (150°F)

**Application:**

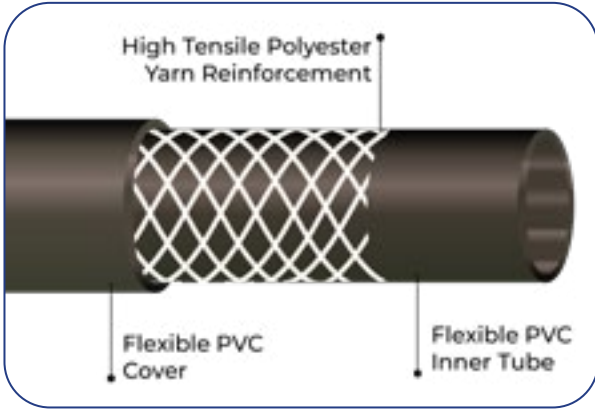
Suitable for garden watering, car washing, and household cleaning

**Features:**

- High pressure resistance, leak-free
- Anti-abrasion, UV resistant, durable
- Non-toxic, odorless

Code								
	Inch	I.D (mm)	O.D (mm)	Thickness (mm)	W.P (Bar)	B.P (Bar)	m/roll	kg/roll
VF-GH106	1/4"	6	9	1,5	4	12	100	2,32
VF-GH106	1/4"	6	10	2	4	12	100	2,6
VF-GH108	5/16"	8	11	1,5	4	12	100	3,35
VF-GH110	3/8"	10	13	1,5	4	12	100	4,48
VF-GH112	1/2"	12	15	1,5	3	9	50	2,86
VF-GH115	5/8"	15	18	1,5	3	9	50	4
VF-GH116	5/8"	16	19	1,5	2	6	50	4,35
VF-GH119	3/4"	19	22	1,5	2	6	50	5,6
VF-GH120	3/4"	20	23	1,5	2	6	50	6
VF-GH125	1"	25	28	1,5	2	6	50	8,2
VF-GH132	1-1/4"	32	35	1,5	2	6	50	12

## Medium Duty - 3 ply



### Construction:

Tube & Cover: PVC  
 Reinforcement: High tensile polyester fiber

### Temperature:








-10°C (14°F) to 65°C (150°F)

### Application:

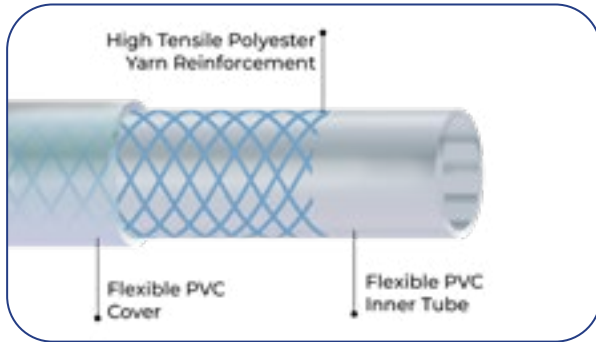
Suitable for garden watering, car washing, and household cleaning

### Features:

- High pressure resistance, leak-free
- Anti-abrasion, UV resistant, durable
- Non-toxic, odorless

Code								
	Inch	I.D (mm)	O.D (mm)	Thickness (mm)	W.P (Bar)	B.P (Bar)	m/roll	kg/roll
VF-GH306	1/4"	6	10	2	8	24	100	7.0
VF-GH308	5/16"	8	12	2	8	24	100	8.8
VF-GH310	3/8"	10	14	2	8	24	50	5.3
VF-GH312	1/2"	12	16	2	6	18	50	6.2
VF-GH315	5/8"	15	19	2	6	18	50	7.5
VF-GH315	5/8"	15	20	2.5	6	18	50	9.6
VF-GH316	5/8"	16	20	2	5	15	50	8.0
VF-GH316	5/8"	16	21	2.5	5	15	50	10.2
VF-GH319	3/4"	19	23	2	5	15	50	9.3
VF-GH319	3/4"	19	24	2.5	5	15	50	11.9
VF-GH325	1"	25	30	2.5	4	12	50	15.2

## Fiber Reinforced Hose - 3ply



### Construction:

Tube and Cover: PVC  
 Reinforcement: high tensile polyester fiber.

### Application:








- Transfer of water, oil, and gas
- Safe for conveying liquid food

### Temperature:

-10°C (14°F) to 65°C (150°F)

### Features:

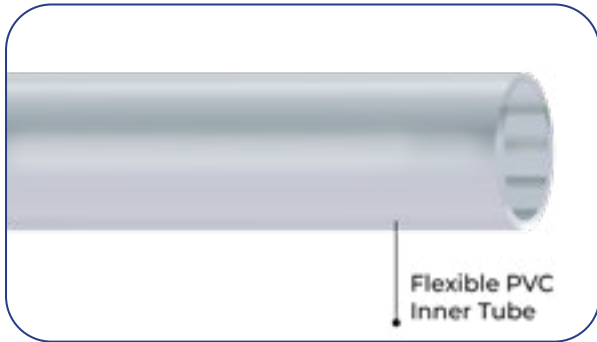
- Flexible, transparent, durable
- Non-toxic, odorless
- Color-coded for flow identification

Code								
	Inch	I.D (mm)	O.D (mm)	Thickness (mm)	W.P (Bar)	B.P (Bar)	m/roll	kg/roll
VF-TH306	1/4"	6	10	2,0	10	30	100	7.0
VF-TH308	5/16"	8	12	2,0	10	30	100	8.8
VF-TH310	3/8"	10	14	2,0	8	24	100	10.6
VF-TH312	1/2"	12	16	2,0	7	21	50	6.2
VF-TH313	1/2"	13	19	2,5	7	21	50	9.1
VF-TH315	5/8"	15	20	2,5	6	18	50	9.7
VF-TH316	5/8"	16	21	2,5	6	18	50	10.2
VF-TH319	3/4"	19	25	3,0	6	18	50	14.5
VF-TH325	1"	25	31	3,0	4	12	50	18.5

# TRANSPARENT HOSE



## Single Clear Hose - 1ply



### Construction:

Tube: Transparent PVC

### Application:








Suitable for conveying water, oil, and gas under normal conditions in factories, and households.

### Temperature:

-10°C (14°F) to 65°C (150°F)

### Features:

- Flexible, lightweight, transparent
- Food-grade, non-toxic, odorless
- Anti-erosion, anti-abrasion
- Anti-aging, long service life

Code								
	Inch	I.D (mm)	O.D (mm)	Thickness (mm)	W.P (Bar)	B.P (Bar)	m/roll	kg/roll
VF-TH106	1/4"	6	8	1,0	5	15	100	2.9
VF-TH108	5/16"	8	10	1,0	5	15	100	3.7
VF-TH110	3/8"	10	12	1,0	5	15	100	4.6
VF-TH112	1/2"	12	15	1,5	3	9	50	4.2
VF-TH113	1/2"	13	16	1,5	3	9	50	4.4
VF-TH115	5/8"	15	20	1,5	3	9	50	4.6
VF-TH116	5/8"	16	19	1,5	3	9	50	5.2
VF-TH119	3/4"	19	22	1,5	3	9	50	6.4
VF-TH125	1"	25	30	2,5	3	9	50	14.3



### Construction:

Tube and cover: PVC  
Reinforcement: high tensile polyester braiding

### Temperature:








-10°C (14°F) to 65°C (150°F)

### Application:

For pneumatic tools, air compressors, air supply, cleaning and construction equipment

### Features:

- Strong fiber-PVC bonding
- Lightweight, flexible, kink- & twist-resistant
- UV, ozone & weather resistant

Code														
	Inch	I.D (mm)	O.D (mm)	Thickness (mm)	W.P (Bar)	B.P (Bar)	m/roll	kg/roll						
VF-AH306	1/4"	6	11	2,5	20	60	100	9						
VF-AH306	1/4"	6	14	4	20	60	100	11,5						
VF-AH308	5/16"	8	13	2,5	20	60	100	13						
VF-AH309	5/16"	9	17	4	20	60	100	14						
VF-AH310	3/8"	10	15	2,5	20	60	100	16,5						
VF-AH310	3/8"	10	18	4	25	75	100	17,5						
VF-AH312	1/2"	12	17	2,5	20	60	100	18,5						
VF-AH413	1/2"	13	21	4	23	69	50	10,3						



### Construction:

Tube and cover: Smooth PVC  
Reinforcement: High tensile polyester braiding

### Temperature:








-10°C (14°F) to 60°C (140°F)

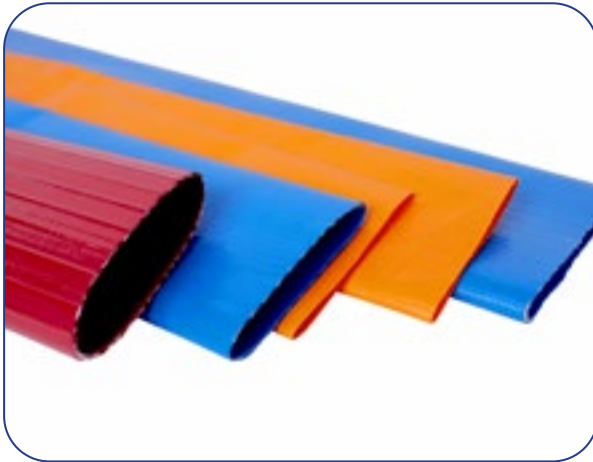
### Application:

Designed for low-pressure gas transfer, ideal for household LPG stoves

### Features:

- Anti-aging, weather resistant
- Lightweight, flexible, kink-free, easy to handle
- UV & ozone resistant, long service life

Code								
	Inch	I.D (mm)	O.D (mm)	Thickness (mm)	W.P (Bar)	B.P (Bar)	m/roll	kg/roll
VF-GS306	1/4"	6	12	3	20	60	30	3.4
VF-GS306	1/4"	6	12	3	40	120	30	3.4
VF-GS308	5/16"	8	14	3	20	60	30	4.4
VF-GS308	5/16"	8	14	3	40	120	30	4.4
VF-GS310	3/8"	10	16	3	20	60	30	5.2
VF-GS310	3/8"	10	17	4	40	120	30	6.3
VF-GS413	1/2"	13	20	4	20	60	30	7.7
VF-GS316	5/8"	16	21	2.5	6	18	50	10.2



### Construction:

Tube and Cover:  
PVC, blue, orange, red.  
Reinforcement:  
high tensile polyester braiding

### Temperature:

-10°C (-50°F) to 60°C (+140°F)





### Application:

Agricultural irrigation, water pumps, pools & spas, construction, mining, and marine applications





### Features:

- Lightweight, flexible, easy to handle & store
- Corrosion- and aging-resistant
- Available in various colors and customized lengths/assemblies
- Non-toxic, odorless

## Medium Duty

Code					
	Inch	I.D (mm)	W.P (Bar)	B.P (Bar)	m/roll
VF-LH20	3/4"	20	4	12	100
VF-LH25	1"	25	4	12	100
VF-LH32	1-1/4"	32	3	9	100
VF-LH38	1-1/2"	38	3	9	100
VF-LH51	2"	51	3	9	100
VF-LH64	2-1/2"	64	3	9	100
VF-LH76	3"	76	3	9	100
VF-LH102	4"	102	3	9	100
VF-LH127	5"	127	3	9	100
VF-LH153	6"	153	3	9	100
VF-LH203	8"	203	3	9	100

## Heavy Duty

Code					
	Inch	I.D (mm)	W.P (Bar)	B.P (Bar)	m/roll
VF-LH20	3/4"	20	10	30	100
VF-LH25	1"	25	10	30	100
VF-LH32	1-1/4"	32	10	30	100
VF-LH38	1-1/2"	38	10	30	100
VF-LH51	2"	51	8	24	100
VF-LH64	2-1/2"	64	10	30	100
VF-LH76	3"	76	8	24	100
VF-LH102	4"	102	10	30	100
VF-LH127	5"	127	9	27	100
VF-LH153	6"	153	8	24	100
VF-LH203	8"	203	8	24	100

# 03.

## MANUFACTURING

2

VinaFlex believe that quality is not simply a result inspected at the final stage, but a core value that is built into our entire production process.

Our brand's reputation and our customers' peace of mind are forged from this uncompromising commitment to quality.

This page provides insight into the rigorous quality control process we implement to ensure every product bearing the Vinaflex name meets the highest standards.

**Burst Pressure Test:** Determines the maximum pressure the hose can withstand, ensuring a safety factor far exceeding its normal working pressure.

### **Ratio Control:**

Automated mixing and dosing systems guarantee that the composition of materials is consistent for every production batch.

### **Real-Time Monitoring:**

Parameters such as temperature, extrusion pressure, speed, and hose dimensions are continuously monitored to detect and correct any deviations immediately.

### **Tensile Strength and Elongation Test:**

Guarantees the hose has the necessary flexibility and resilience to resist cracking or breaking when bent or stretched.

### **Dimensional Accuracy Test:**

We use precise measuring instruments to ensure the inner diameter, outer diameter, and wall thickness are always within the specified tolerance.

### **Visual Inspection:**

Every meter of hose is carefully inspected for color consistency, clarity (for transparent hoses), and any surface defects such as bubbles or scratches.





# PACKING & LOADING

## Ratio Control:

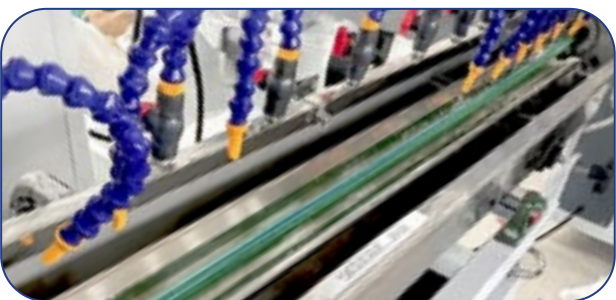
Automated mixing and dosing systems guarantee that the composition of materials is consistent for every production batch.



# PRODUCTION LINE



Vinaflex operates 10 high-tech production lines with multiple automated stages. Our synchronized machinery - from material feeding and extrusion to cooling and coiling, minimizes human error and guarantees absolute precision in the dimensions and technical specifications of every product.



QUALITY TESTED BY  
**200+** PARTNERS  
IN **60+** COUNTRIES



# CERTIFICATIONS



CERTIFICATIONS

Our quality is not just a promise - it is certified and proven. Our production process and products meet international safety, environmental, and technical standards, ensuring trust and compliance across global markets.



REACH

FDA

ROHS



ROHS 2

PROP 65

Business registration





**NHAT HUY GROUP**  
SINCE 2004



**VINA FLEX**

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