



Green PVC

PVC COMPOUND MANUFACTURER



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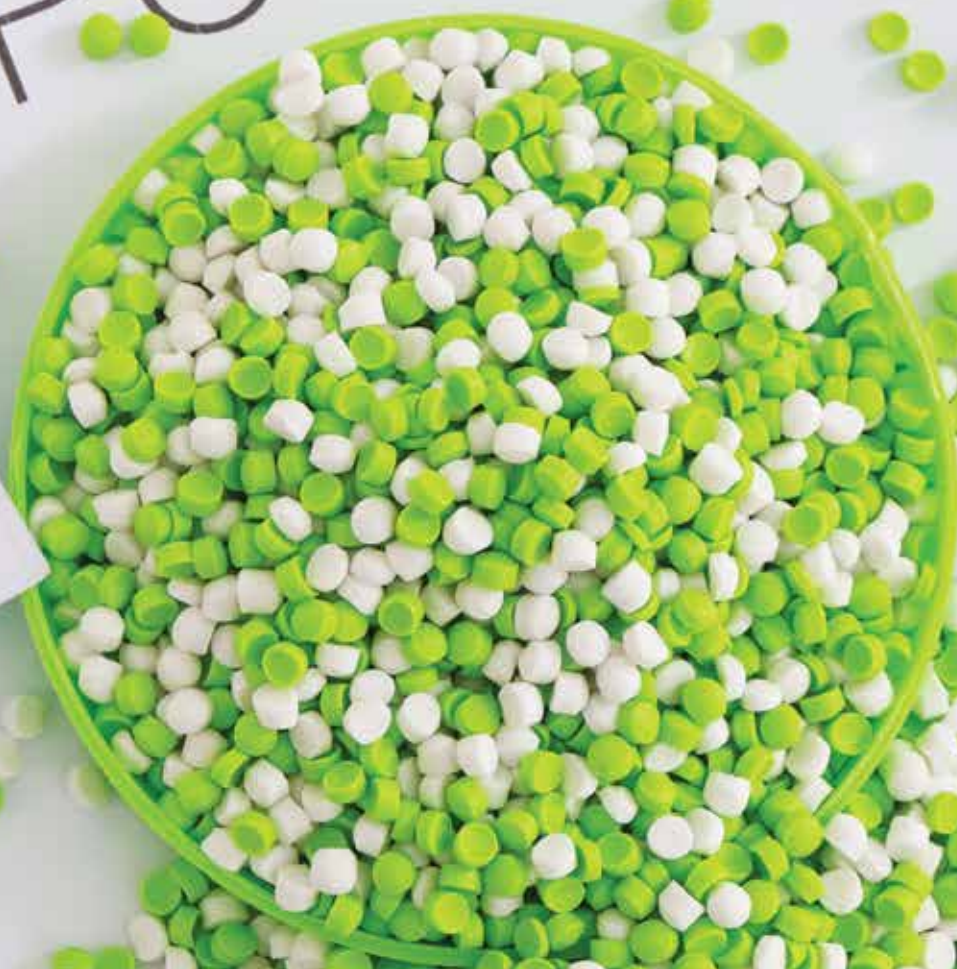
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VC COMPOUND



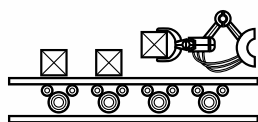
INTRODUCTION





Green PVC is the plastics division of Nhat Huy Group bringing you the highest quality PVC Compound for industrial applications.

Our Parent corporation Nhat Huy Group provides Green PVC the experience and financial stability, with over 20 years of experience, 12 company members and more than 1500 employees.



10 Productions line



5ha new factory



3000MT of capacity monthly

OUR FACTORY

After much excitement, planning, and anticipation, we are delighted to announce we are expanding our operations to a new and improved manufacturing factory. This incredible new facility is located at Thuy Van Industrial Park, Viet Tri City, Phu Tho Province, just a stone's throw away from our old factory. It provides a plethora of spacious, modern amenities and increased capacity, allowing us to further push boundaries and revolutionize the manufacturing industry. This step towards the future will lead our company to greater heights.



Certificates & Test reports



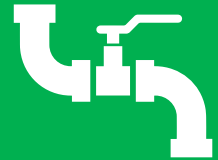
PVC products support making your daily life rich through communication and power cables, construction materials and auto interior/exterior parts, daily goods, home electronics and even medical applications for protecting human life.



To manufacture such products, compounds are indispensable.



Wires and Cables



UPVC Fittings &
Injection Moulding



Hoses and Tubes



Medical industry



Footwear Industry



Other Applications

PRODUCTS

A VARIETY OF COMPOUNDS[®]

Green PVC is a specialized manufacturer of compounds, producing a variety of compounds each of which has properties suitable for different uses.

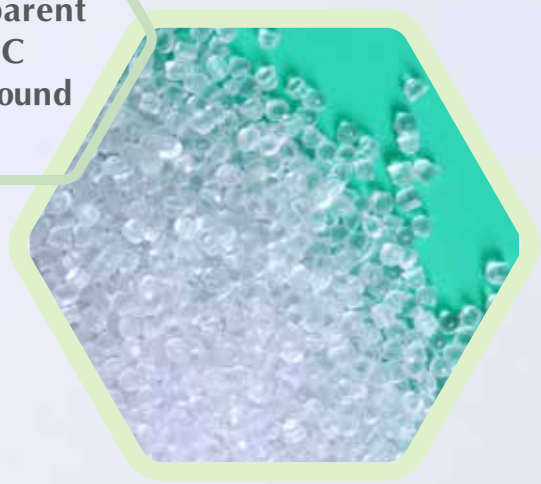
Green PVC



**Flexible PVC
compound**



**Transparent
PVC
compound**



**Rigid PVC
compound**



PVC for Wire & Cable

Features

- * Lead-free
- * Plasticized
- * Flame Retardant
- * Low temperatures Resistant
- * Semi-Rigid
- * Fungus Resistant
- * Oil Resistant
- * Heat Resistant
- * Sunlight Resistant (720 hours)

Performance Standards


- * EC 1907/2006 (REACH)
- * RoHS compliant
- * OEHHA (California) Proposition 65
- * UL 94
- * UL 83
- * UL QMTT2
- * UL 758



| Application | Grade | Standard | | Hardness Shore A | Density at 23 °C Tensile Strength (Mpa) | Without Ageing | |
|--|-----------|------------------|--------|---------------------|--|------------------------------|-------------------------------|
| | | IEC | BS | | | Tensile Strength (Mpa) | Elongation at break (%) |
| Appliance Wire Insulation | NHMD1057 | PVC/D | Ti1 | 86 - 94 | 1.49 - 1.62 | 18.5 | 235.8 |
| | NHMD757 | PVC/D | Ti1 | 86 - 94 | 1.49 - 1.62 | 19.8 | 235.8 |
| | NHMD647 | PVC/D | Ti1 | 86 - 94 | 1.49 - 1.62 | 19.2 | 275.6 |
| | NHMD837 | PVC/D | Ti2 | 79 - 87 | 1.44 - 1.75 | 15.8 | 268.3 |
| | NHMD627 | PVC/D | Ti2 | 79 - 87 | 1.44 - 1.75 | 14.2 | 298.6 |
| Appliance Wire Sheathing/ Jacket | NHMD1057 | ST5 | TM1 | 86 - 94 | 1.49 - 1.62 | 18.5 | 235.8 |
| | NHMD857 | ST5 | FR-ST1 | 86 - 94 | 1.49 - 1.62 | 19.8 | 245.9 |
| | NHMD1937 | ST5 | TM2 | 79 - 87 | 1.44 - 1.75 | 10.5 | 225.6 |
| | NHMD637 | ST5 | TM2 | 79 - 87 | 1.44 - 1.75 | 17.2 | 278.5 |
| Low Voltage Power Sheathing/ Jacketing | NHMD647 | ST1 | | 86 - 90 | 1.46 - 1.50 | 19.8 | 288.6 |
| | NHMD649 | ST2, Type 9 | | 86 - 90 | 1.46 - 1.50 | 18.8 | 275.8 |
| Flame Retardant Cable Sheathing/ Jacketing | NHFR647 | FR-ST1 | | 86 - 92 | 1.47 - 1.51 | 18.8 | 250.7 |
| | NHFR649 | FR-ST2, Type 9 | | 88 - 92 | 1.47 - 1.51 | 17.8 | 279.5 |
| | NHFRLS559 | FRLS-ST2, Type 9 | | 88 - 92 | 1.55 - 1.59 | 18.7 | 285.6 |
| Automotive Sheathing/ Jacket | NHF621 | ST10 | TM3 | 84 +/- 2 | 1.53 | 15.6 | 279.3 |
| Automotive Insulation | NHF351 | PVC/E | Ti3 | 89 - 94 | 1.38 - 1.42 | 20.6 | 275.7 |

Applications

- * Appliance Wire Insulation Sheathing/Jacketing
- * Low Voltage Cable Sheathing/ Jacketing/ Bedding
- * Automotive Cable Insulation Sheathing/Jacketing
- * Communication Wire Sheathing/ Jacketing
- * Flame Retardant Cable Sheathing/ Jacketing



| After ageing in an air oven | | Loss of mass in Air oven (mg/cm²) | Resistivity (Ω.cm²) | Oxygen Index (%) | Smoke Density Rating (%) | Halogen Acid Gas Generation (%) | Heat Stability at 200 °C | Oil Resistance | Abrasion Resistance |
|-----------------------------|-------------------------|-----------------------------------|----------------------|------------------|--------------------------|---------------------------------|--------------------------|----------------|---------------------|
| Tensile Strength (Mpa) | Elongation at break (%) | | | | | | | | |
| IEC811-1-1 | IEC811-1-1 | IEC811-3-2 | ASTM D257 | ASTM D2863 | ASTM D2843 | IEC 60754-1 | IEC 811-3-1 | | |
| 17.9 | 208.6 | | | | | | | | |
| 18.9 | 208.6 | | | | | | | | |
| 18.6 | 266.2 | | | | | | | | |
| 14.2 | 247.1 | | | | | | | | |
| 13.8 | 279.6 | | | | | | | | |
| 17.9 | 208.6 | | | | | | | | |
| 18.6 | 216.6 | | | | | | | | |
| 16.3 | 255.7 | | | | | | | | |
| 18.9 | 268.5 | 0.673 | 6.5x10 ¹³ | | | | | | |
| 17.8 | 252.2 | 0.524 | 6.6x10 ¹³ | | | | | | |
| 18.1 | 232.3 | 0.53 | 6.8x10 ¹³ | 31 | N/A | | | | |
| 16.7 | 255.6 | 0.446 | 6.1x10 ¹³ | 31 | N/A | 18 | | | |
| 17.3 | 250.2 | 0.433 | 6.4x10 ¹³ | 32 | 38 | 15 | | | |
| 14.2 | 250.1 | 0.472 | 6.3x10 ¹⁴ | | | | 260 | Yes | Yes |
| 18.1 | 252.7 | 0.489 | 4.6x10 ¹⁴ | | | | 260 | Yes | Yes |

PVC for UPVC Fittings & Injection

Feature

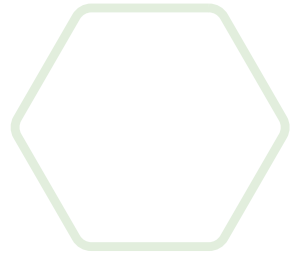
- * Smooth Shining Surface
- * High gloss due to the production experience of the labor as well as the advanced and optimal formulas.
- * The PVC Compound formulations can adjust the color details based on the requirements of the involved customers.
- * The most cost effective with the high performance of additives.
- * Free expedited Sample; Support for lightning production procedure
- * Industrial production lines bring stability in the result of product quality for each Lot to Lot.

Performance Standards

- * EU REACH Compliant
- * EU ROHS 1, 2 & 3 Compliant
- * NSF

| Specification | Form | Appearance | Hardness at 23oC | Density at 23oC | Tensile Strength | Elongation at break | Heat Stability at 200o C | Izod Impact Strength |
|---------------|----------|----------------|------------------|-----------------|------------------|---------------------|--------------------------|----------------------|
| Test Method | Visual | Visual | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 | IEC 811-3-2 | ASTM D256 |
| Unit | Granular | Smooth Surface | Shore D | g/cm3 | Mpa | % | Mins | J/m |
| NHCF0557 | Pass | Pass | 81 | 1.4 | 52.6 | 110.2 | 77 | 75 |
| NHCF0857 | Pass | Pass | 81 | 1.44 | 50.4 | 108.3 | 70 | 73 |
| NHCF1557 | Pass | Pass | 80 | 1.47 | 55.2 | 116.1 | 80 | 78 |
| NHCP0557 | Pass | Pass | 81 | 1.39 | 53.6 | 114.2 | 77 | 75 |
| NHCP0857 | Pass | Pass | 81 | 1.41 | 48.7 | 107.2 | - | - |
| NHCP2557 | Pass | Pass | 81 | 1.52 | 47.5 | 100.1 | - | - |
| NHCP5057 | Pass | Pass | 81 | 1.62 | 45.1 | 95.6 | - | - |

Applications



Pipe Fittings



Ball Valves



Electrical Conduits



Gutter Brackets



Conjunction box

PVC for Hoses & Tubes

Feature

- * Bright and uniform color
- * Eco-friendly, non-peculiar smell
- * Good elongation
- * Good flexibility
- * Highly fire resistance

Performance Standards

- * EU REACH Compliant
- * EU ROHS 1, 2 & 3 Compliant
- * TSCA
- * Pro 65
- * FDA
- * NSF 51



| Grade | Appearance | Form | Hardness Shore A | Hardness Shore D | Density (g/cm3) | Important specification |
|-----------|----------------|---------|------------------|------------------|-----------------|-------------------------|
| | Smooth Surface | Granule | ASTM D2240 | ASTM D2240 | ASTM D792 | |
| NHMD017T | Pass | Pass | 55-80 | - | 1.16 - 1.42 | Transparent, 65 Duro |
| NHMD027T | Pass | Pass | 55-80 | - | 1.16 - 1.42 | Transparent, 70 Duro |
| NHMD037T | Pass | Pass | 55-80 | - | 1.16 - 1.42 | Transparent, 75 Duro |
| NHMD047T | Pass | Pass | 55-80 | - | 1.16 - 1.42 | Transparent, 80 Duro |
| NHMD227N | Pass | Pass | 55-80 | - | 1.16 - 1.42 | |
| NHMD327N | Pass | Pass | 55-80 | - | 1.16 - 1.42 | |
| NHMD427N | Pass | Pass | 55-80 | - | 1.16 - 1.42 | |
| NHMD527N | Pass | Pass | 55-80 | - | 1.16 - 1.42 | |
| NHCD1057N | Pass | Pass | - | 77-82 | 1.39 - 1.48 | PVC-U |
| NHCD1557N | Pass | Pass | - | 77-82 | 1.39 - 1.48 | PVC-U |

Applications



Fire hoses



Gas & fuel hoses



Medical tubes



Food contact hose



Garden hoses

Medical Equipment

Feature

- * Naturally free of latex protein allergens.
- * Due to productive of Elongation and Tensile Strength, material is highly resistant to tear, bend or twist.
- * The PVC Compound formulations can adjust the color details from Transparent to any demand color.
- * The most cost effective with the high performance of TOTM, DOTP, DINCH, & DOA..
- * Free expedited Sample; Support for rapid production procedure.
- * Extremely durable and can withstand a rigorous service environment.

Performance Standards

- * EU REACH Compliant
- * EU ROHS 1, 2 & 3 Compliant
- * FDA 21 Compliant
- * CA Prop 65 Compliant
- * USP Class VI Compliant
- * ISO 10993 & ISO 13485 Compliant

| Specification | Hardness at 23oC | Density at 23oC | Tensile Strength | Elongation at break | Heat Stability at 200o C |
|---------------|------------------|-------------------|------------------|---------------------|--------------------------|
| Test Method | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 | IEC 811-3-2 |
| Unit | Shore A | g/cm ³ | Mpa | % | Mins |
| NHMD017T | 65 | 1.20 | 14.8 | 368.5 | 40 |
| NHMD027T | 74 | 1.21 | 15.6 | 360.5 | 40 |
| NHMD037T | 75 | 1.22 | 17.8 | 355.8 | 40 |
| NHMD047T | 81 | 1.23 | 20.7 | 347.1 | 43 |
| NHMD057T | 85 | 1.23 | 21.8 | 330.5 | 45 |

Applications

- Drip chamber
- Medical Tube
- Blood bag
- Medical mask
- Other Medical Components



Supplying the medical device industry with PVC compounds, ensuring our customers are in safe hands when operating in such a highly regulated industry.



PVC for FootWears

Feature

- * Excellent abrasion and slip resistant properties
- * Excellent molding properties and smooth surface
- * Good adherence to leather fabrics & other materials
- * High antistatic properties
- * High grade oil resistant

Performance Standards

- * EU REACH Compliant
- * EU ROHS 1, 2 & 3 Compliant

| Specification | Appearance | Hardness at 23 C (Shore A) | Density at 23C (g/cm3) | Tensile Strength (Mpa) | Elongation at break (%) | Heat Stability at 200C (Min) | Heat Shock test | Application |
|---------------|------------------|----------------------------|------------------------|------------------------|-------------------------|------------------------------|-----------------|----------------|
| | Smooth \ Surface | ASTM D2240 | ASTM D790 | IEC 811-1-1 | IEC 811-1-1 | IEC 811-3-2 | IEC 811-3-1 | |
| NHMD037 | Pass | 62-75 | 1.19-1.44 | 17,8 | 325,6 | 70 | No crack | Shoe Sole |
| NHMP017 | Pass | 62-75 | 1.19-1.44 | 17,9 | 340,6 | 70 | No crack | |
| NHMP107 | Pass | 62-75 | 1.19-1.44 | 18,2 | 320,6 | 68 | No crack | |
| NHMP507 | Pass | 62-75 | 1.19-1.44 | 12,5 | 328,4 | 64 | No crack | |
| NHMP607 | Pass | 62-75 | 1.19-1.44 | 12,3 | 322,6 | 63 | No crack | Foam shoe sole |
| NHMP807 | Pass | 62-75 | 1.19-1.44 | 11,6 | 310,1 | 60 | No crack | |

Applications

- Shoe welts
- Boots
- Shoe & sport footwear soles
- Shoes Foam



Other applications

Feature

- * Bright and Uniform Color
- * Eco friendly and non - peculiar smell
- * Cold, Flame and UV resistant
- * Excellent resistance to break, traction under aggressive environment.
- * The most cost effective with the high performance of additives
- * Free expedited Sample; Support for rapid production procedure.
- * One of the easiest materials to install.

Performance Standards

- * REACH Compliant
- * ROHS 1, 2 & 3 Compliant
- * FDA Compliant
- * Prop 65 Compliant
- * ISO Compliant
- * Anti fungal



Gaskets

| Specification | Form | Appearance | Hardness at 23oC | Density at 23oC | Tensile Strength | Elongation at break | Heat Stability at 200oC | Heat Shock Test |
|---------------|----------|----------------|------------------|-----------------|------------------|---------------------|-------------------------|-----------------|
| Test Method | Visual | Visual | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 | IEC 811-3-2 | IEC 811-3-1 |
| Unit | Granular | Smooth Surface | Shore A | g/cm3 | Mpa | % | Mins | No crack |
| NHMD217 | Pass | Pass | 73 | 1.28 | 15.8 | 325.6 | 65 | Pass |
| NHMD507 | Pass | Pass | 62 | 1.32 | 12.5 | 328.4 | 64 | Pass |
| NHMD607 | Pass | Pass | 62 | 1.32 | 12.3 | 322.6 | 63 | Pass |
| NHMD717 | Pass | Pass | 70 | 1.4 | 12.5 | 315.3 | 60 | Pass |
| NHMD807 | Pass | Pass | 68 | 1.44 | 11.6 | 310.1 | 60 | Pass |
| NHMD2307 | Pass | Pass | 70 | 1.7 | 11.2 | 290.5 | 55 | Pass |
| NHMD3507 | Pass | Pass | 70 | 1.76 | 10.2 | 283.5 | 55 | Pass |

Applications



Door gasket



Refrigerator Gasket



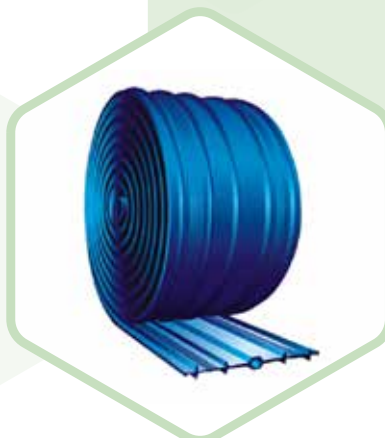
Window Gasket

Profile

| | Specifi- cation | Appear- ance | Form | Tensile Strength | Elongation at break | Density at 23 | Hardness at 23 | Heat stability at 200 | Izod Impact Strength | Vicat soften- ing Point |
|-------------------|--------------------|-------------------|---------------|---------------------|------------------------|-------------------|-------------------|--------------------------|-------------------------|----------------------------|
| | Test Method | Visual | Visual | | IEC 811- 1-1 | ASTM D792 | ASTM D2240 | IEC 811-3-2 | ASTM D256 | ASMT D1525 |
| Application | Unit | Smooth Surface | Granu- lar | Mpa | % | g/cm ³ | Shore D | mins | J/m | C |
| Window Profile | NHCD0457 | Pass | Pass | 56.8 | 118.6 | 1.4 -1.52 | 73-81 | 80 | 78 | 88 |
| | NHCD117 | Pass | Pass | 52.1 | 120.5 | 1.42 | 73-81 | 70 | 70 | 80 |
| Profile | NHCD237 | Pass | Pass | 50.5 | 115.3 | 1.44 | 73-81 | 70 | 68 | 78 |
| | NHCD347 | Pass | Pass | 51.2 | 110.1 | 1.48 | 73-81 | 68 | 65 | 78 |
| | NHCD457 | Pass | Pass | 50.1 | 108.6 | 1.52 | 73-81 | 68 | 65 | 78 |

Water Stop

| Specification | Form | Appearance | Hardness at 23°C | Density at 23°C | Tensile Strength | Elongation at break | Heat Stability at 200 °C |
|-----------------|----------|----------------|---------------------|--------------------|---------------------|------------------------|-----------------------------|
| Test Method | Visual | Visual | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 | IEC 811-3-2 |
| Unit | Granular | Smooth Surface | Shore A | g/cm ³ | Mpa | % | mins |
| NHMD837 | Pass | Pass | 86 | 1.52 | 15.8 | 268.3 | 75 |
| NHMD1347 | Pass | Pass | 89 | 1.64 | 12.5 | 265.3 | 70 |



Floor Mats

| Specification | Hardness at 23°C | Density at 23°C | Tensile Strength | Elongation at break |
|---------------|------------------|-------------------|------------------|---------------------|
| Test Method | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 |
| Unit | Shore A | g/cm ³ | Mpa | % |
| NHMP637 | 83 | 1.44 | 12.2 | 230.8 |

Chain Link Fence

| Test Method | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 |
|-------------|------------|-------------------|-------------|-------------|
| Unit | Shore A | g/cm ³ | Mpa | % |
| NHMD257 | 96 | 1.34 | 25.2 | 328.3 |
| NHMD357 | 96 | 1.35 | 25.6 | 320.5 |

Pliers

| Specification | Hardness at 23°C | Density at 23°C | Tensile Strength | Elongation at break |
|---------------|------------------|-------------------|------------------|---------------------|
| Test Method | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 |
| Unit | Shore A | g/cm ³ | Mpa | % |
| NHMP247 | 90 | 1.35 | 18.8 | 330.8 |

Package & Container

| Specification | Form | Appearance | Hardness at 23°C | Density at 23°C | Tensile Strength | Elongation at break | Vicat Softening Point |
|---------------|----------|----------------|------------------|-------------------|------------------|---------------------|-----------------------|
| Test Method | Visual | Visual | ASTM D2240 | ASTM D792 | IEC 811-1-1 | IEC 811-1-1 | - |
| Unit | Granular | Smooth Surface | Shore A | g/cm ³ | Mpa | % | C |
| NHCB057 | Pass | Pass | 79 | 1.34 | 45.8 | 135.2 | 74 |



Specifically for production control, we have established a development and operation department in our company, aiming to promptly respond to demands from customers and production lines.





QUALITY ASSURANCE

Pellets are extruded and checked every hour to make sure

- Color is matched with sample*
- Smooth surface (with no hole, no bubble)*



Experience the best in quality with our organization. We are committed to delivering a range of products that meets international standards. Our raw materials are sourced from reputable vendors and our team of experienced quality controllers ensures that every stage of production is closely supervised. Rest assured, our range undergoes rigorous testing based on the following parameters.



Color

Hardness

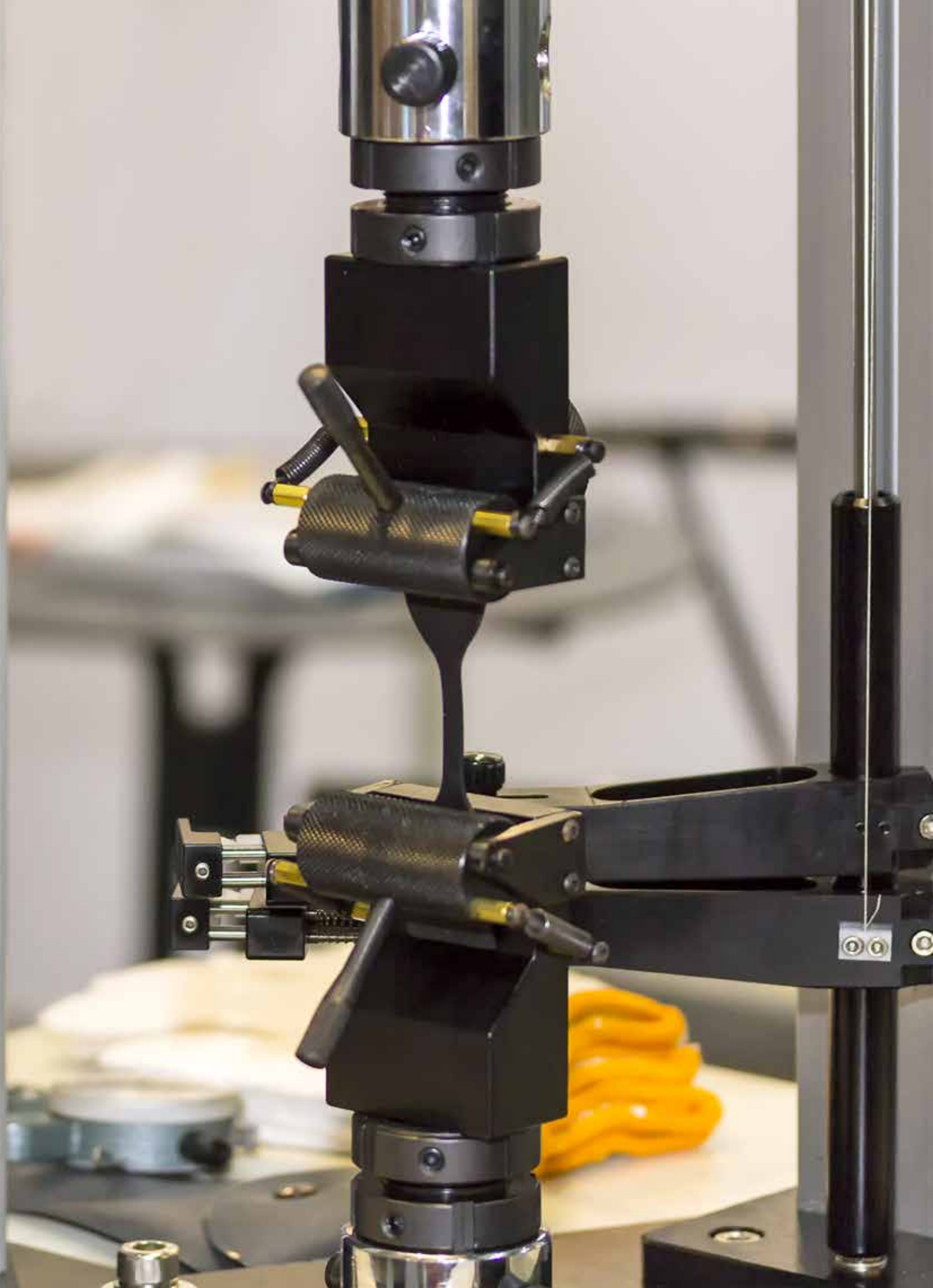
***Elongation &
Tensile strength***

***Sample
Test***

Aging

Density

MFI



PACKING & LOADING



Specifically for production control, we have established a development and operation department in our company, aiming to promptly respond to demands from customers and production lines.



MARKETS & EVENTS



FEI PLAST 2019

Green PVC is trusted by thousands of customers to export across the globe.



PLAST INDIA 2023



CHINA PLAS 2023



WIRE MEA 2019



IPF BANGLADESH 2023



COMPLAST 2020

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