



POLYPROPYLENE (PP) SILENT DRAINAGE PIPE AND FITTINGS

PRODUCT INTRODUCTION

3S polypropylene (PP) silent drainage pipe, is the replacement of cast iron drainage pipe is the latest product, the product adopts the full computer control 3-layer co-extrusion production technology, the inner and outer raw materials are environmental protection impact resistant copolymer polypropylene resin, corrosion resistance, high temperature resistance; The intermediate layer is made of special noise reducing material, which has good noise reducing performance.

PRODUCT CHARACTERISTICS

- 1) Good mute performance. By adding special materials in the middle layer, the crystal state of the pipe can be adjusted and the microstructure can be changed, so that the mute effect can reach the best state.
- 2) Good sealing performance using socket connection, sealing effect is good, convenient disassembly and assembly.
- 3) strong chemical corrosion resistance can transport 12≥PH≥2 liquid.
- 4) Good high temperature insulation performance quiet piping system can discharge 70°C hot water sustainably.
- 5) Good impact resistance polypropylene silent drainage pipe used by the material toughness is good, the product has good impact resistance.
- 6) The advanced flexible connection is convenient to disassemble and assemble, which can effectively reduce the installation cost.
- 7) The self-compensation ability of the pipe is strong, without the use of expansion joints, the use of pipe fittings can achieve the effect of expansion joints.
- 8) Good seismic effect, pipe, pipe fittings using flexible socket lock connection, has good seismic performance.
- 9) Environmental protection performance green environmental protection building materials, recyclable.

APPLICATIONS

- ◎ The drainage pipe system of domestic wastewater and sewage in residential and high-rise buildings
- ◎ The drainage system of hotels, restaurants, shops, hospitals, etc
- ◎ School, office building, business building drainage system
- ◎ Used in factories, mining enterprises, laboratories to discharge acid, alkali corrosive wastewater engineering
- ◎ Instead of drainage cast iron pipe, kitchen (oil) sewage special discharge pipe

STRUCTURAL CHARACTERISTICS

Polypropylene PP silent drainage pipe system (flamed socket flexible connection) adopts the international most advanced three-layer co-extrusion composite production process, the inner and outer layer of raw materials for environmental protection modified impact resistance and high temperature resistance block copolymerization polypropylene resin, the intermediate layer uses special sound absorbing materials.

Outer layer

Polypropylene material with high impact strength, good weather resistance, the outer protective layer is extremely strong, smooth surface. The main colors of Lesso products are blue gray and white.

Middle-level

The modified viscoelastic PP-m with density ≥ 1800kg/m³ has good extruded self-lubrication function to strengthen the strength of the pipe, which plays a key role in excellent sound-absorbing performance of the combined plastic pipe and also gives the pipe excellent rigidity.

Inner layer

Polypropylene is highly resistant to hot water, corrosive liquids and mechanical abrasion. Due to the smooth inner surface, it has high water flow capacity and good scaling resistance, and can reduce the noise of drainage.

| PP Silencing Drainage Pipe | Size (mm) | wall thickness |
|----------------------------|-------------|----------------|
| | 50 | 3.2 |
| | 75 | 3.8 |
| | 110 | 4.5 |
| | 160 | 5.0 |
| | 200 | 6.5 |

● Note: The general length of the pipe is 4M. Other lengths must be customized

POLYPROPYLENE (PP) SILENT DRAINAGE PIPE FITTINGS

| | | | |
|--------------------------------------|---|--|-------------------------|
| | | | |
| 90° Elbow (Gasket) | 90° Elbow (Gasket) | 90° Elbow with Cleanout (Gasket) | Elbow (Spig×Gasket) |
| | | | |
| 45° Elbow (Gasket) | 45° Elbow with Cleanout (Gasket) | Trap | Trap (Soc× Spig×Mpt) |
| | | | |
| P-Trap with Cleanout | P-Trap with Cleanout | S-Trap with Cleanout | Eccentric Reducer |
| | | | |
| Sanitary Tee | Reducing Sanitary Tee | 45° Wye | Reducing Wye |
| | | | |
| Cleanout Tee (Spig×Gasket) | Cleanout Tee (Spig×Gasket) | H Pipe Fitting | Cross (Gasket) |
| | | | |
| Reducing Cross (Gasket) | 90° Cross (Gasket× Gasket× Gasket×Spig) | 90° Reducing Cross (Gasket× Gasket× Gasket×Spig) | Bottle Shape Tee |
| | | | |
| Coupling | Cap | Vent Cap | Cleanout (Spig) |
| | | | |
| Floor Clean out | Floor Drain for washing machine | Floor Drain for washing machine | Square Floor Seal Drain |
| | | | |
| Square shape washing machine drainer | Safety Pipe Clamp (All Socket) | Pipe Clamp (without Screw) | Pipe Clamp |

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PVC-U SPIRAL DRAINAGE PIPE

POLYPROPYLENE (PP) SILENT DRAINAGE PIPE

LESSO

- 38 Years Professional Experience.
- One Of The Biggest Manufacturer Of Plastic Pipe And Fittings In Asia.
- One-stop Purchase For Residential Housing Project And Municipal Water Supply And Sewage Projects.

CHINA LESSO

Established in 1986, LESSO (Stock Code: 02128.HK) is a global leader in home furnishings and building materials. The Group’s business portfolio spans plastic piping, building materials and home furnishings, environmental protection, new energy, supply-chain service platforms and others. It offers a wide range of products such as pipes, photovoltaics, plumbing and sanitary ware, integral kitchen materials, integral doors and windows, aluminum formwork and smart scaffolds, water purifiers, water-proofing materials and sealants, fire-fighting equipment, valves, cables, lighting, hygiene materials, items for environmental protection, agricultural facilities, and oceanic aquaculture cages. In 2023, LESSO’s sales revenue reached over USD 4.38 billion.

Since implementing a strategy of globalization and expanding its global presence, LESSO has evolved into a sophisticated multinational. It boasts more than 30 advanced production bases worldwide, broadening its industrial and sales networks to cover Asia, North America, South America, Europe, Africa, and Oceania. This enables LESSO to provide quality products and services for global customers in accordance with its continuously improved strategic layout in a timely and efficient way.

LESSO has founded its R&D center with more than 1,000 scientific researchers, nationally accredited enterprise technology center, and two post-doctoral workstations to support its innovation and technical development. The Group has taken a leading role in the revision of over 120 international and Chinese industry standards. LESSO owns over 3000 patents (some of them are pending), and provides over 10,000 varieties of products, making it one of the most comprehensive manufacturers in the piping industry. Its products are utilized globally in different areas, including home decoration, civil construction, municipal water supply, drainage, energy management, power supply and telecommunications, gas supply, fire-fighting, environmental protection, agriculture, oceanic aquaculture, etc.

True to its idea of “Envisioning the Better, Building the Future”, LESSO remains committed to creating a better living environment, and advocating ideal cities featuring greenness, livability, and efficiency. With concerted efforts from various sectors, LESSO will fully play its role in sustaining healthy and beautiful space so that global residents could enjoy a comfortable life.



18
Provincias



30+
Production Bases



3000+
Patents Applied



6.9GW
Annual Output



PVC-U SPIRAL DRAINAGE PIPE



PRODUCT OVERVIEW

- Material Unplasticized Poly (Vinyl Chloride)
- Size Full 32mm through 630mm availability
- Standard ISO 3633, GB/T 5836
- Colors White or other colors availability upon request
- Form Supplied 4m, 6m or other length availability upon request

ADVANTAGES

High Flow Capacity

The smooth interior walls and low friction of PVC-U drainage pipe result in low flow resistance and high volume.

Corrosion Resistance

PVC-U drainage pipe is non-conductors of electricity and immune to electrochemical reactions caused by acids, bases, and salts that cause corrosion in metals.

Low Installation Costs

PVC-U drainage pipe is lightweight and is installed with solvent cement and gasketed joint. Ease of installation reduces the installation costs.

Long Service Life

PVC-U drainage pipe can work for more than 50 years under proper use.

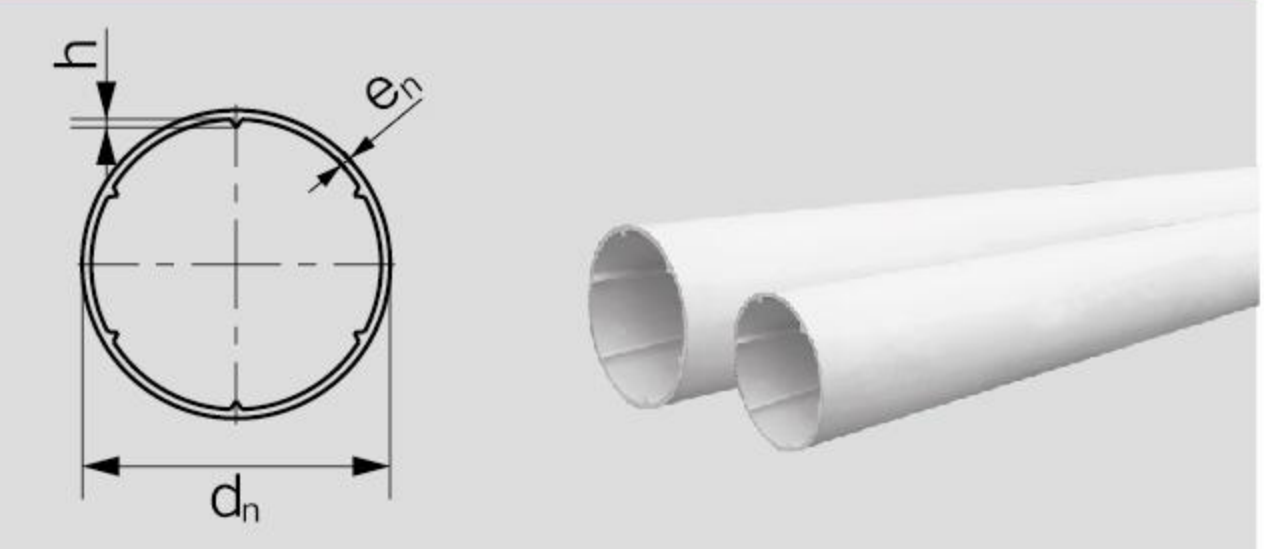
Environment-friendly

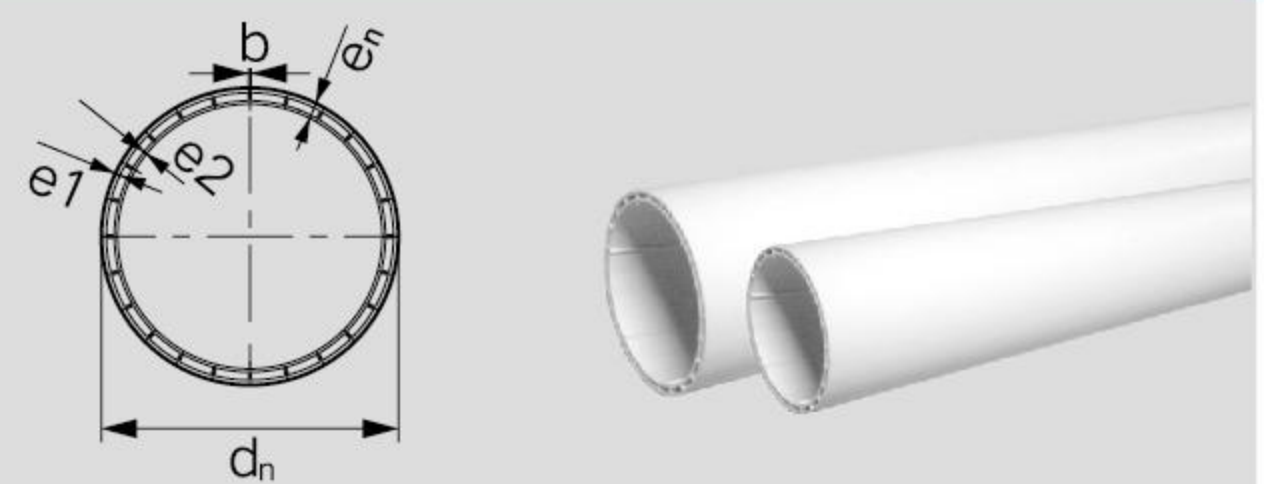
PVC-U drainage pipe can be recycled.

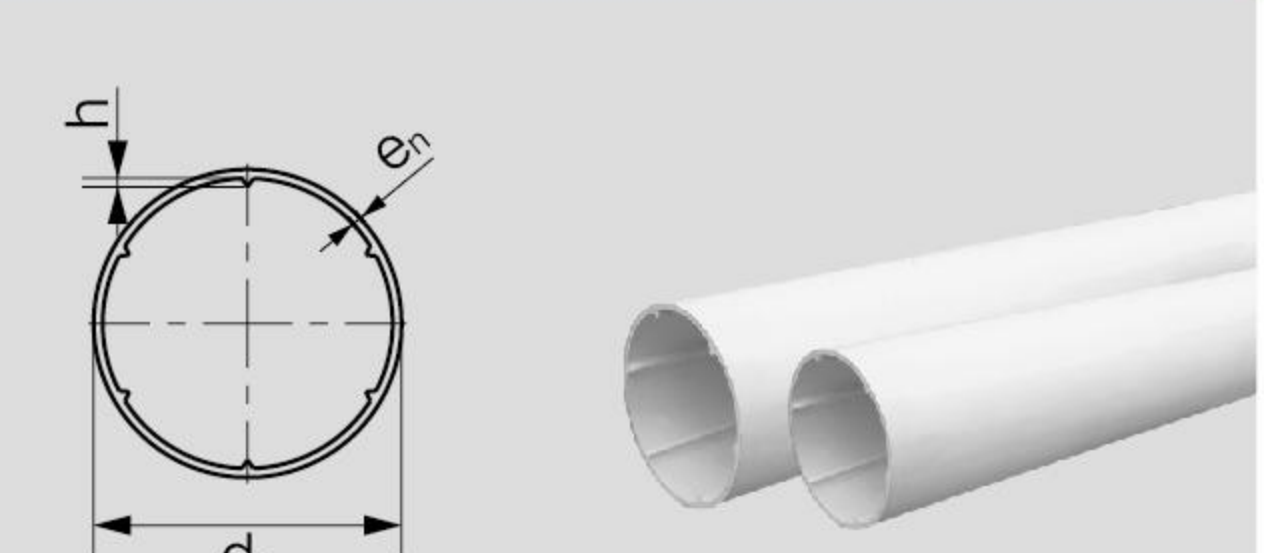
APPLICATIONS

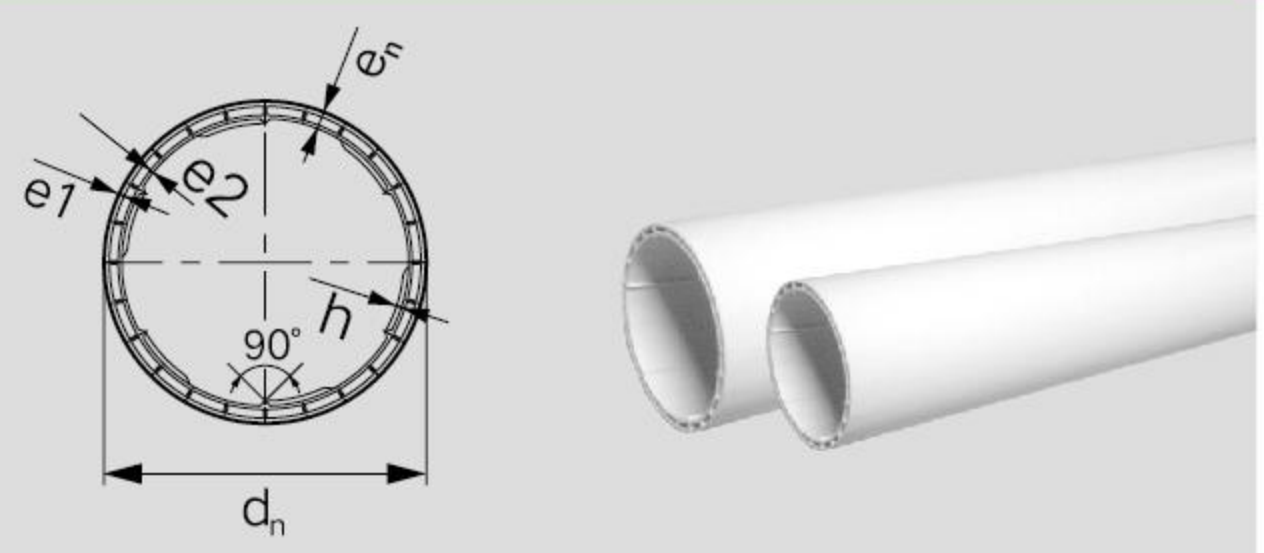
- Soil and waste discharge pipelines (low and high temperature) inside buildings.
- Rainwater pipelines inside the building.
- Buried drainage pipelines without pressure on the ground.

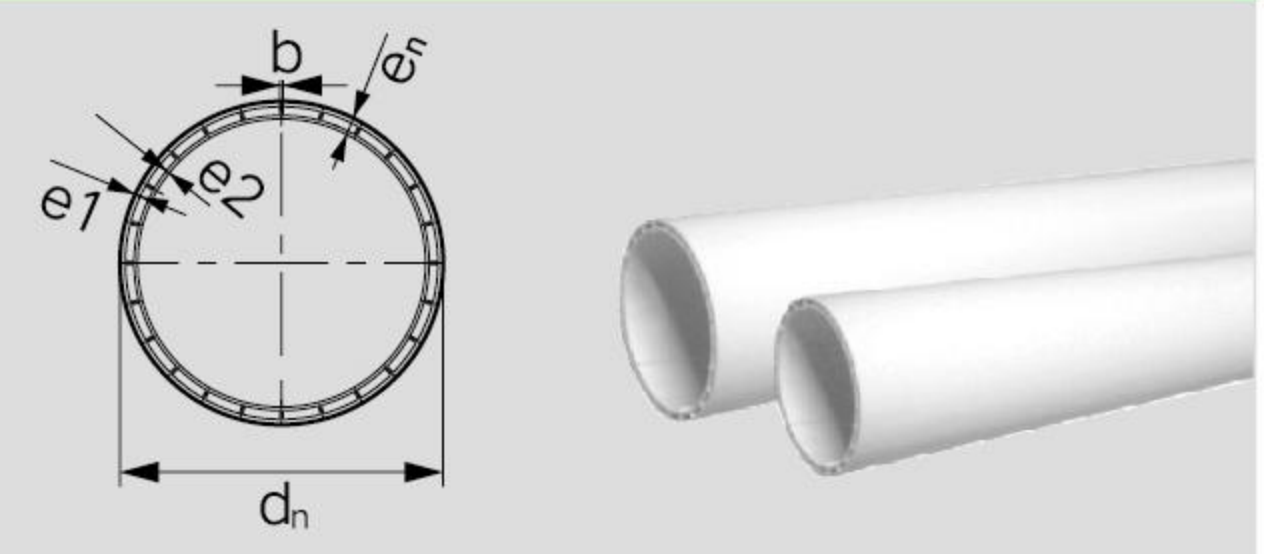
PIPE SPECIFICATION

| PVC-U SPIRAL PIPE | SAP Number (5.8M) | d _n (mm) | e _n (mm) |
|---|-------------------|---------------------|---------------------|
|  | 8020012257 | 75 | 2.3 |
| | 8020010520 | 110 | 3.2 |
| | 8020011184 | 125 | 3.2 |
| | 8020010543 | 160 | 4.0 |

| PVC-U HOLLOW SPIRAL PIPE | SAP Number (5.8M) | d _n (mm) | e _n (mm) |
|---|-------------------|---------------------|---------------------|
|  | 8020012475 | 75 | 3.8 |
| | 8020012448 | 110 | 3.8 |
| | 8020012491 | 160 | 5.0 |

| PVC-U SOLID-WALL INNER-SPIRAL PIPE | SAP Number (5.8M) | d _n (mm) | e _n (mm) |
|---|-------------------|---------------------|---------------------|
|  | 8020012705 | 50 | 2.0 |
| | 8020012706 | 75 | 2.3 |
| | 8020012707 | 110 | 3.2 |
| | 8020012709 | 125 | 3.2 |
| | 8020012708 | 160 | 4.0 |

| PVC-U STRUCTURED-WALL INNER-SPIRAL PIPE | SAP Number (5.8M) | d _n (mm) | e _n (mm) |
|--|-------------------|---------------------|---------------------|
|  | 8020012688 | 50 | 4.0 |
| | 8020012541 | 75 | 4.0 |
| | 8020012542 | 110 | 5.0 |
| | 8020012689 | 160 | 6.0 |

| PVC-U STRUCTURED-WALL PIPE | SAP Number (4M) | d _n (mm) | e _n (mm) |
|---|-----------------|---------------------|---------------------|
|  | 8020012339 | 50 | 4.0 |
| | 8020012345 | 75 | 4.0 |
| | 8020012317 | 110 | 5.0 |
| | 8020012346 | 160 | 6.0 |

PVC-U Eddy-Flow Sole Vertical Drainage Pipe

|  | SAP Number (5.8M) | d _n (mm) | e _n (mm) |
|---|-------------------|---------------------|---------------------|
| | 8020011261 | 110 | 3.5 |

PVC-U SPIRAL PIPE FITTINGS

Features

- Material Unplasticized Poly (Vinyl Chloride)
- Size Full 32mm through 315mm availability

Advantages

- High Flow Capacity

The smooth interior walls and low friction of PVC-U drainage fittings result in low flow resistance and high volume.

- Corrosion Resistance

PVC-U drainage fittings are non-conductors of electricity and immune to electrochemical reactions caused by acids, bases, and salts that cause corrosion in metals.

- Standard ISO 3633, GB/T 5836

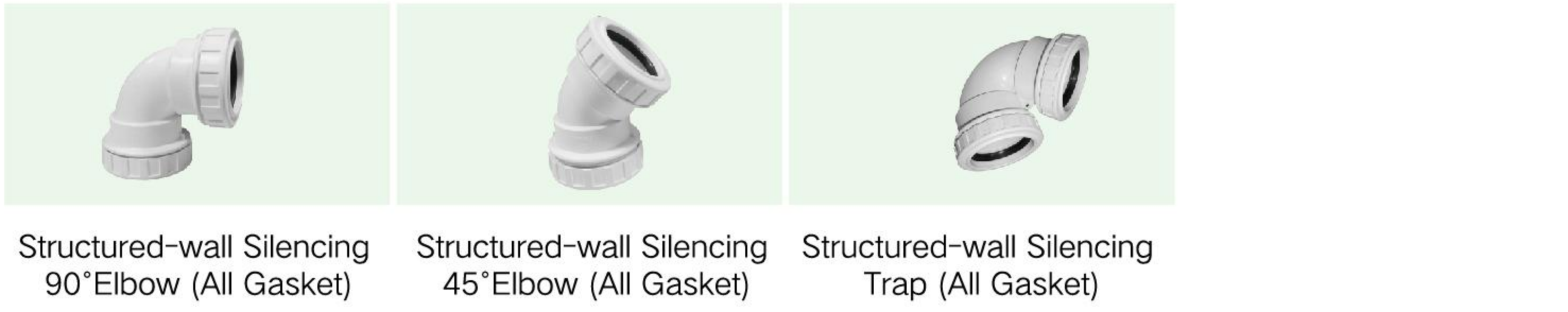
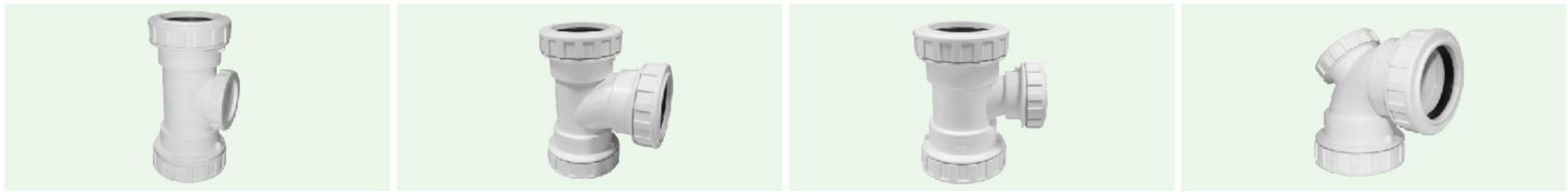
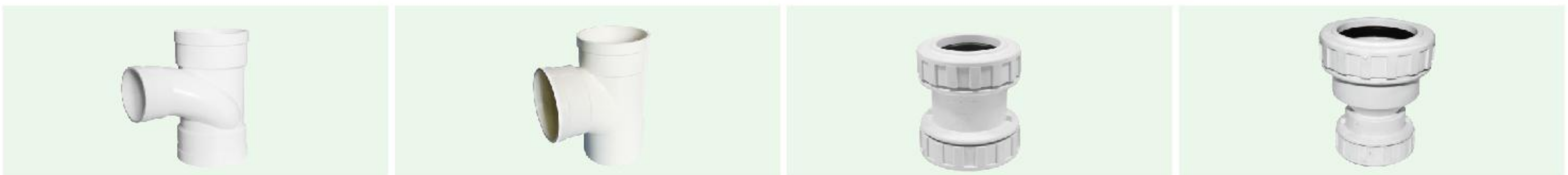
- Color White or other colors availability upon request

- Low Installation Costs

PVC-U drainage fittings are lightweight and are installed with solvent cement, and gasketed joint. Ease of installation reduces the installation costs.

- Environment-friendly and Long Service Life

PVC-U drainage fittings can be recycled.
PVC-U drainage fittings can work for more than 50 years under proper use.



PVC-U EDDY-FLOW SOLE VERTICAL DRAINAGE PIPE FITTINGS

