



## PVC Pipe & Pipe Nipples, Schedule 40 & 80

Polyvinyl chloride, or PVC, is a strong thermoplastic that resists ultraviolet (UV) light, acids, alkalis, oils, and many corrosive inorganic chemicals, making it resistant to the corrosive effects of sewage. Lightweight and nonflammable with good electrical insulation properties, and its smooth interior walls resist scaling. Connect with pipe fittings to transport potable water, corrosive liquids, and sewage in industrial and commercial applications. Threaded pipe use PTFE tape to secure seal. **Schedule 40 pipe** has thicker walls than Schedule 10, but not as thick as Schedule 80 pipe. **Schedule 80 pipe** has thicker walls than Schedule 40, but not as thick as Schedule 160 pipe.


**SCHEDULE 80:** Medium-pressure (300-999 psi). For use in cold, potable water applications.



Schedule 80

Fully Threaded

3TNV7



Schedule 80

Threaded on One End

3HFN2

| Nominal Pipe Size   | Overall Length | Connection Type | Item No. | Overall Length   |               |               |               |               |                |
|---|----------------|-----------------|----------|--|---------------|---------------|---------------|---------------|----------------|
|   |                |                 |          | Nominal Pipe Size  | 2 in Item No. | 3 in Item No. | 4 in Item No. | 6 in Item No. | 12 in Item No. |
| Schedule 80 Fully Threaded Medium Pressure Pipe Nipples, Gray |                |                 |          | Schedule 80 Threaded on One End Medium Pressure Pipe Nipples, MNPT, Gray |               |               |               |               |                |
| 1/2 in  | 1 1/4 in       | MNPT            | 3TNV7    | 1/2 in   | —             | 3HFN2         | 3HFN3         | 3HFN4         | 3HFN5          |
| 3/4 in  | 1 1/2 in       | MNPT            | 6MW96    | 3/4 in   | 3HFN6         | 3HFN7         | 3HFN8         | 3HFN9         | 3HFN10         |
| 1 1/4 in  | 1 3/4 in       | MNPT            | 6MW14    | 1 1/4 in   | 3HFP2         | 3HFP3         | 3HFP4         | 3HFP5         | 3HFP6          |
| 1 1/2 in  | 1 3/4 in       | MNPT            | 6MW25    | 1 1/2 in   | 3HFP7         | 3HFP8         | 3HFP9         | 3HFP10        | 3HFP11         |
| 2 1/2 in  | 2 1/2 in       | MNPT            | 1VF15    | 2 1/2 in   | 3HFR3         | 3HFR4         | 3HFR5         | 3HFR6         | 3HFR7          |
| 3 in  | 2 3/4 in       | MNPT            | 1VFX3    | 3 in   | 3HFR8         | 3HFR9         | 3HFR10        | 3HFR11        | 3HFR12         |
| 4 in  | 2 3/4 in       | MNPT            | 1VF21    | 4 in   | 3HFT4         | 3HFT5         | 3HFT6         | 3HFT7         | 3HFT8          |
|   |                |                 |          | 2 in   | 3HFT9         | 3HFU1         | 3HFU2         | 3HFU3         | 3HFU4          |
|   |                |                 |          | 2 1/2 in   | —             | 3HFU5         | 3HFU6         | 3HFU7         | 3HFU8          |
|   |                |                 |          | 3 in   | —             | 3HFU9         | 3HFU10        | 3HFU11        | 3HFU12         |
|   |                |                 |          | 4 in   | —             | —             | 3HFV4         | 3HFV5         | 3HFV6          |

Schedule 80 Threaded on Both Ends Medium Pressure Pipe & Pipe Nipples, MNPT, Gray

| Nominal Pipe Size | 2 in Item No. | 2 1/2 in Item No. | 3 in Item No. | 4 in Item No. | 5 in Item No. | 6 in Item No. | 8 in Item No. | 10 in Item No. | 12 in Item No. |
|-------------------|---------------|-------------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| 1/2 in            | 6MW89         | 6MW90             | 6MW91         | 6MW92         | 6MW93         | 6MW94         | 6MW95         | 6MW96          | 6MW97          |
| 3/4 in            | 6MW87         | —                 | 6MW98         | 6MW99         | 6MW01         | 6MW02         | 6MW03         | 6MW04          | 6MW05          |
| 1 in              | 6MW06         | —                 | 6MW07         | 6MW08         | 6MW09         | 6MW10         | 6MW11         | 6MW12          | 6MW13          |
| 1 1/4 in          | 22J207        | —                 | 6MW17         | 6MW19         | 6MW20         | 6MW21         | 3TNV8         | 3TNV9          | 6MW24          |
| 1 1/2 in          | 6MW26         | —                 | 22J208        | 6MW27         | 6MW28         | 6MW29         | 6MW30         | 3TNV11         | 6MW32          |
| 2 in              | 22EX96        | 6MW33             | 6MW34         | 6MW35         | 6MW36         | 6MW37         | 6MW38         | 3TNV12         | 6MW40          |
| 2 1/2 in          | —             | —                 | 1VF17         | 1VF19         | 1VF22         | 1VF24         | 1VF26         | 22J209         | 1VF21          |
| 3 in              | —             | —                 | 1VFX5         | 1VFX7         | 1VFX9         | 1VFY2         | 1VFY4         | 1VFY6          | 1VFY8          |
| 4 in              | —             | —                 | 22EX99        | 1VF23         | 1VF25         | 1VF27         | 1VF29         | 1VGA2          | 1VGA4          |
| 6 in              | —             | —                 | —             | 22EY02        | —             | 22EY03        | 22EY04        | 22EY05         | 22EY06         |



Schedule 80

Threaded on Both Ends

6MW87

**SCHEDULE 40:** Low-pressure (100-299 psi). For lower pressure, cold water applications.

| Nominal Pipe Size                               | 10 ft Item No. |
|---|----------------|
| Schedule 40 Unthreaded Low Pressure Pipe, White |                |
| 1/2 in  | 5AFJ2          |
| 3/4 in  | 5AFJ3          |
| 1 in  | 5AFJ4          |
| 1 1/4 in  | 5AFJ5          |
| 1 1/2 in  | 5AFJ6          |
| 2 in  | 5AFJ7          |
| 2 1/2 in  | 5AFJ8          |
| 3 in  | 5AFJ9          |
| 4 in  | 5AFK0          |
| 6 in  | 22FR48         |
| 8 in  | 22FR49         |

\* GF Piping Systems brand.

## PVC Pressure Pipe Fittings, Schedule 40

- White color
- Tees read: run x run x outlet

Polyvinyl chloride, or PVC, pipe fittings connect with pipe to transport potable water, corrosive liquids, and sewage in industrial and commercial applications, in irrigation and other outdoor cold water applications. PVC is a strong thermoplastic that resists ultraviolet (UV), acids, alkalis, oils, and many corrosive inorganic chemicals, making it resistant to the corrosive effects of sewage. Lightweight PVC is nonflammable with good electrical insulation properties, and its smooth interior walls resist scaling. Threaded connections use PTFE tape to secure seal.

**Threaded x threaded**—These fittings are threaded on all connection ends.

**Socket x threaded**—Include one socket (hub or slip) end and one threaded end. Socket ends require glue or adhesive to secure connection.

**Spigot x threaded**—Fittings include one spigot (or street) end and a threaded end. The spigot end connects to another fitting and requires glue or adhesive for a secure seal.

**Spigot x spigot**—Include spigots on both ends to fit inside sockets on other fittings. Spigots require glue or adhesive to secure the connection. Spigot ends are needed when a fitting connects to another fitting.

**Socket x spigot**—These fittings include a socket (hub or slip) end that fits over a pipe and a spigot (also known as street) end that fits inside a socket. Fittings require glue or adhesive to secure the connection.

**Socket x socket**—These fittings, also called slip or hub fittings, include socket ends on all fitting connection ends. The socket ends fit over the end of a PVC pipe and require glue or adhesive to secure the connection.

| Description                                   | Fitting Pipe Size   | Pipe Fitting Connection Type | Max. Oper. Press. (psi) | Temp. Range   | Item No. |
|---|---------------------|------------------------------|-------------------------|---------------|----------|
| Threaded x Threaded Schedule 40 Pipe Fittings |                     |                              |                         |               |          |
| 90° Elbow                                     | 1/2 in x 1/2 in     | FNPT                         | 600                     | 32° to 140° F | 22FJ74   |
|   | 3/4 in x 3/4 in     | FNPT                         | 280                     | 32° to 140° F | 22FJ97   |
|   | 1 1/4 in x 1 1/4 in | FNPT                         | 370                     | 32° to 140° F | 22FL93   |
|   | 1 1/2 in x 1 1/2 in | FNPT                         | 450                     | 32° to 140° F | 22FL94   |
|   | 2 in x 2 in         | FNPT                         | 330                     | 32° to 140° F | 22FL95   |
| 90° Street Elbow                              | 1/2 in x 1/2 in     | FNPT x MNPT                  | 600                     | 32° to 140° F | 22FJ87   |
|   | 3/4 in x 3/4 in     | FNPT x MNPT                  | 480                     | 32° to 140° F | 22FJ98   |
|   | 1 in x 1 in         | FNPT x MNPT                  | 450                     | 32° to 140° F | 22FJ82   |
|   | 1 1/2 in x 1 1/2 in | FNPT x MNPT                  | 330                     | 32° to 140° F | 22FM03   |
| Cap   | 1/2 in              | FNPT                         | 600                     | 0° to 140° F  | 22FJ33   |
|   | 3/4 in              | FNPT                         | 480                     | 0° to 140° F  | 22FJ39   |
|   | 1 1/2 in            | FNPT                         | 330                     | 0° to 140° F  | 22FJ27   |
|   | 2 1/2 in            | FNPT                         | 300                     | 0° to 140° F  | 22FM71   |
|   | 3 in                | FNPT                         | 260                     | 0° to 140° F  | 22FM72   |
| Coupling                                      | 1/2 in              | FNPT                         | 220                     | 0° to 140° F  | 22FM73   |
|   | 1/2 in x 1/2 in     | FNPT                         | 600                     | 32° to 140° F | 22FJ47   |
|   | 3/4 in x 3/4 in     | FNPT                         | 480                     | 32° to 140° F | 22FM24   |
|   | 1 in x 1 in         | FNPT                         | 450                     | 32° to 140° F | 22FM25   |
|   | 1 1/2 in x 1 1/2 in | FNPT                         | 450                     | 32° to 140° F | 22FJ45   |
| Hex Head Cap                                  | 2 in x 2 in         | FNPT                         | 280                     | 32° to 140° F | 22FM23   |
|   | 1 in                | FNPT                         | 450                     | 0° to 140° F  | 22FJ31   |
|   | 1 1/4 in            | FNPT                         | 370                     | 0° to 140° F  | 22FJ29   |
|   | 2 in                | FNPT                         | 280                     | 0° to 140° F  | 22FJ36   |
| Hex Head Plug                                 | 1/2 in              | MNPT                         | 600                     | 0° to 140° F  | 22FK10   |
|   | 3/4 in              | MNPT                         | 480                     | 0° to 140° F  | 22FK12   |
|   | 1 in                | MNPT                         | 450                     | 0° to 140° F  | 22FK09   |
|   | 1 1/4 in            | MNPT                         | 370                     | 0° to 140° F  | 22FK08   |
|   | 1 1/2 in            | MNPT                         | 330                     | 0° to 140° F  | 22FK07   |
|   |                     |                              |                         |               |          |
| Reducing Bushing                              |                     |                              |                         |               |          |
| Reducing Bushing                              | 1/2 in x 1/4 in     | MNPT x FNPT                  | 480                     | 32° to 140° F | 22FM60   |
|   | 1/2 in x 3/8 in     | MNPT x FNPT                  | 480                     | 32° to 140° F | 22FM61   |
|   | 3/4 in x 1/2 in     | MNPT x FNPT                  | 480                     | 32° to 140° F | 22FM62   |
|   | 3/4 in x 3/4 in     | MNPT x FNPT                  | 480                     | 32° to 140° F | 22FM63   |
|   | 1 in x 1/2 in       | MNPT x FNPT                  | 480                     | 32° to 140° F | 22FM66   |
| Riser Extender                                | 1 in x 1/2 in       | MNPT x FNPT                  | 450                     | 32° to 140° F | 22FK44   |
|   | 1 in x 3/4 in       | MNPT x FNPT                  | 450                     | 32° to 140° F | 22FK47   |
|   | 1 1/4 in x 3/4 in   | MNPT x FNPT                  | 370                     | 32° to 140° F | 22FK39   |
|   | 1 1/4 in x 1 in     | MNPT x FNPT                  | 450                     | 32° to 140° F | 22FK34   |
|   | 1 1/2 in x 1 1/2 in | MNPT x FNPT                  | 330                     | 32° to 140° F | 22FM66   |
| Tee   | 1 1/2 in x 3/4 in   | MNPT x FNPT                  | 330                     | 32° to 140° F | 22FK29   |
|   | 1 1/2 in x 1 in     | MNPT x FNPT                  | 330                     | 32° to 140° F | 22FK24   |
|   | 1 1/2 in x 1 1/4 in | MNPT x FNPT                  | 330                     | 32° to 140° F | 22FK23   |
|   | 2 in x 1 in         | MNPT x FNPT                  | 280                     | 32° to 140° F | 22FK58   |
|   | 2 in x 1 1/4 in     | MNPT x FNPT                  | 280                     | 32° to 140° F | 22FM67   |
| Tee   | 2 in x 1 1/2 in     | MNPT x FNPT                  | 280                     | 32° to 140° F | 22FK53   |
|   | 3 in x 2 in         | MNPT x FNPT                  | 260                     | 32° to 140° F | 22FM68   |
| Tee   | 1/2 in              | FNPT                         | 600                     | 32° to 140° F | 22FL01   |
|   | 3/4 in              | FNPT                         | 480                     | 32° to 140° F | 22FL07   |
|   | 1 in                | FNPT                         | 450                     | 32° to 140° F | 22FK97   |
|   | 1 1/4 in            | FNPT                         | 370                     | 32° to 140° F | 22FL80   |
|   | 1 1/2 in            | FNPT                         | 330                     | 32° to 140° F | 22FL81   |

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