

# Solvent Weld | SCHEDULE SERIES

## PRESSURE-RATED PVC PIPE



ASTM D1785, ASTM D2665,  
ASTM D1784 Cell Class 12454  
ANSI/NSF 61/14, Uniform Plumbing Code



### MARKETS



IRRIGATION



RECLAIM



PLUMBING



DRAIN, WASTE AND VENT

### DESCRIPTION



#### SOLVENT WELD - SCH SERIES

Nominal Laying Length:

**10/20 feet**

(Laying length tolerances are in accordance with ASTM standards)

#### PIPE SIZES

1/2", 3/4", 1", 1 1/4", 1 1/2",  
2", 2 1/2", 3", 4", 5", 6",  
8", 10", 12", 14", 16"

#### PIPE COLOR

Schedule 40:

**WHITE**

**PURPLE\***

(Marked for Reclaim only)\*

#### ASTM D1785

Schedule 40

|        |         |
|--------|---------|
| 1/2"   | 600 psi |
| 3/4"   | 480 psi |
| 1"     | 450 psi |
| 1 1/4" | 370 psi |
| 1 1/2" | 330 psi |
| 2"     | 280 psi |
| 2 1/2" | 300 psi |
| 3"     | 260 psi |

#### ASTM D1785

Schedule 40

|        |         |
|--------|---------|
| 3 1/2" | 240 psi |
| 4"     | 220 psi |
| 5"     | 190 psi |
| 6"     | 180 psi |
| 8"     | 160 psi |
| 10"    | 140 psi |
| 12-16" | 130 psi |



### BENEFITS

### INSTALLATION

- Lightweight, great for manual installation.
- Field-cut with a power saw or handsaw; bevel without complicated machinery.
- Does not need lining, wrapping, coating, or cathodic protection to prevent galvanic corrosion.

### FEATURES

- Unaffected by corrosive elements, sewer gas, sulfuric acid, alkaline, or acidic soils.
- Consistency in carrying capacity (flow coefficient, C=150), for savings in pumping costs and size of the pipe.



### SUBMITTAL AND DATA SHEET

#### SCHEDULE 40

| PIPE SIZE (IN) | AVG. O.D. (IN) | NOM I.D. (IN) | MIN. T. (IN) | PRESSURE RATING (PSI) | APPROX.WGT (LBS/FT) | PIPE STIFFNESS (PSI) |
|----------------|----------------|---------------|--------------|-----------------------|---------------------|----------------------|
| Schedule 40    |                |               |              |                       |                     |                      |
| 1/2            | 0.840          | 0.609         | 0.109        | 600                   | 0.164               | 5923                 |
| 3/4            | 1.050          | 0.810         | 0.113        | 480                   | 0.218               | 3134                 |
| 1              | 1.315          | 1.033         | 0.133        | 450                   | 0.324               | 2545                 |
| 1 1/4          | 1.660          | 1.363         | 0.140        | 370                   | 0.439               | 1396                 |
| 1 1/2          | 1.900          | 1.593         | 0.145        | 330                   | 0.525               | 1008                 |
| 2              | 2.375          | 2.049         | 0.154        | 280                   | 0.705               | 596                  |
| 2 1/2          | 2.875          | 2.445         | 0.203        | 300                   | 1.114               | 783                  |
| 3              | 3.500          | 3.042         | 0.216        | 260                   | 1.463               | 508                  |
| 4              | 4.500          | 3.998         | 0.237        | 220                   | 2.085               | 307                  |
| 6              | 6.625          | 6.031         | 0.280        | 180                   | 3.665               | 154                  |
| 8              | 8.625          | 7.942         | 0.322        | 160                   | 5.519               | 104                  |
| 10             | 10.750         | 9.976         | 0.365        | 140                   | 7.787               | 78                   |
| 12             | 12.750         | 11.889        | 0.406        | 130                   | 10.296              | 64                   |
| 14             | 14.000         | 13.073        | 0.437        | 130                   | 12.185              | 60                   |
| 16             | 16.000         | 14.940        | 0.500        | 130                   | 15.933              | 60                   |

#### PRODUCT STANDARD

ASTM D1785, ASTM D2665

#### PIPE COMPOUND

ASTM D1784 Cell Class 12454

#### INSTALLATION

JM Eagle™ Solvent Weld Installation Guide.

#### CERTIFICATION

ANSI/NSF 61, ANSI/NSF 14\*  
Uniform Plumbing Code\*

#### PIPE END FINISH

Bell End\*, Plain End

#### NOMINAL LAYING LENGTH

10/20 feet

(Laying length tolerances are in accordance with ASTM standards.)

Water pressure rating measured at 23°C (73°F)

Manning Coefficient (n) = 0.009  
Hazen-Williams Coefficient (c) = 150

T - Wall Thickness

I.D. - Inside Diameter

O.D. - Outside Diameter

