## STANDARDS

Standards exist to ensure that thermoplastic piping systems meet the required level of performance for a particular application. IPEX engineers and technical staff actively participate in thermoplastic standards development throughout North America. These activities result in new standards and improvements to existing standards for thermoplastic piping.

### Standards Organizations

IPEX products comply with standards developed by several standards organizations. Additional information on standards and compliance can be obtained by contacting the following organizations.

**CSA International, www.csa.ca**
**5060 Spectrum Way, Mississauga, Ontario Canada L4W 5N6**

**ASTM International, www.astm.org**
**100 Barr Harbor Drive, West Conshohocken, Pennsylvania USA 19428-2959**

**Underwriters Laboratories of Canada, www.ulc.ca**
**7 Underwriters Rd, Toronto, Ontario Canada M1R 3B4**

**NSF International, www.nsf.org**
**P.O. Box 130140, 789 N. Dixboro Rd, Ann Arbor, Michigan USA 48113-0140**

### Applicable Standards

The following is a list of applicable standards for IPEX PVC and CPVC piping systems. This list is up-to-date at the time of printing.

**ASTM**

**Standard Specifications for Terminology Relating to Plastics**

| | |
|---|---|
| D 883 | Terminology Relating to Plastics |
| D 1600 | Terminology for Abbreviated Terms Relating to Plastics |
| F 412 | Terminology Relating to Plastic Piping Systems |
| D 2749 | Standard Symbols for Dimensions of Plastic Pipe Fittings |

**Standard Specifications for Plastic Materials**

| | |
|---|---|
| D 1784 | Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds |
| D 2564 | Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems |
| D 2672 | Joints for IPS PVC Pipe Using Solvent Cement |
| D 3138 | Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Non-Pressure Piping Components |
| D 3915 | Rigid Poly (Vinyl Chloride) (PVC) and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds for Plastic Pipe and Fittings used in Pressure Applications |
| D 4396 | Rigid Poly (Vinyl Chloride) (PVC) and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds for Plastic Pipe and Fittings Used in Nonpressure Applications |
| F 493 | Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings |
| F 656 | Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings |

**Standard Specifications for Plastic Pipe**

| | |
|---|---|
| D 1785 | Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120 |
| D 2241 | Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series) |
| D 2665 | Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings |
| D 3139 | Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals |
| D 3212 | Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals |
| F 441/ F 441M | Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80 |
| F 442/ F 442M | Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR) |
| F 477 | Elastomeric Seals (Gaskets) for Joining Plastic Pipe |
| F 480 | Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), Sch 40 & Sch 80 |
| F 913 | Thermoplastic Elastomeric Seals (Gaskets) for Joining Plastic Pipe |

**Standard Specifications for Plastic Pipe Fittings**

| | |
|---|---|
| D 2464 | Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings Schedule 80 |
| D 2466 | Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40 |
| D 2467 | Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 |
| D 2665 | Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste and Vent Pipe and Fittings |
| F 437 | Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 |
| F 438 | Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40 |
| F 439 | Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80 |
| F 1803 | Poly (Vinyl Chloride) (PVC) Closed Profile Gravity Pipe and Fittings Based on Controlled Inside Diameter |
| F 1866 | Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings |
| F 1970 | Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) or Chlorinated Poly (Vinyl Chloride) (CPVC) systems |





CAUTION: Do not use or test the products in this manual with compressed air or other gases including air-over-water boosters.

**Standard Specifications for Method of Test**

| | |
|---|---|
| D 256 | Test Method for Determining the IZOD Pendulum Impact Resistance of Notched Specimens of Plastics |
| D 570 | Test Method for Water Absorption of Plastics |
| D 635 | Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position |
| D 638 | Test Method for Tensile Properties of Plastics |
| D 648 | Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position |
| D 790 | Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials |
| D 1598 | Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure |
| D 1599 | Test Method for Short-Time Hydraulic Failure Pressure of Plastic Pipe, Tubing and Fittings |
| D 2122 | Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings |
| D 2152 | Test Method for Adequacy of Fusion of Extruded Poly (Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion |
| D 2412 | Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading |
| D 2444 | Test Method for Determination of Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight) |
| D 2837 | Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials |
| D 3212 | Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals |
| F 610/ F 610M | Evaluating the Quality of Molded Poly (Vinyl Chloride) (PVC) Plastic Fittings by the Heat Reversion Technique |

**Standard Specifications for Practices**

| | |
|---|---|
| D 543 | Practices for Evaluating the Resistance of Plastics to Chemical Reagents |
| D 618 | Practice for Conditioning Plastics for Testing |
| D 2321 | Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications |
| D 2855 | Practice for Making Solvent-Cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings |
| D 4703 | Practice for Compression Molding Thermoplastic Materials into Test Specimens, Plaques or Sheets |
| F 402 | Practice for Safe Handling of Solvent Cements, Primers and Cleaners Used for Joining Thermoplastic Pipe and Fittings |
| F 1057 | Practice for Estimating the Quality of Extruded Poly (Vinyl Chloride) (PVC) Pipe by the Heat Reversion Technique |





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### NSF International

| | |
|---|---|
| ANSI/NSF 14 | Plastic Piping System Components and Related Materials |
| ANSI/NSF 61 | Drinking Water System Components – Health Effects |

### CSA International

| | |
|---|---|
| B137.0 | Definitions, General Requirements and Methods of Testing for Thermoplastic Pressure Piping |
| B137.2 | PVC Injection-Molded Gasketed Fittings for Pressure Applications |
| B137.3 | Rigid Polyvinyl Chloride (PVC) Pipe for Pressure Applications |
| B137.6 | CPVC Pipe, Tubing and Fittings for Hot- and Cold-Water Distribution Systems |
| B181.2 | PVC Drain, Waste and Vent Pipe and Pipe Fittings |

### NFPA/UL/ULC/ASTM – Burning

| | |
|---|---|
| ASTM E 84 | Test Method for Surface Burning Characteristics of Building Materials |
| CAN/ULC S102.2 | Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials |
| NFPA255 | Standard Method of Test of Surface Burning Characteristics of Building Materials |
| UL 94 | Test for Flammability of Plastic Materials for Ports in Devices and Appliances |
| UL 723 | Test for Surface Burning Characteristics of Building Materials |





CAUTION: Do not use or test the products in this manual with compressed air or other gases including air-over-water boosters.

## TABLE A-14 DIMENSIONS, WEIGHTS & PRESSURE RATINGS FOR PVC & CPVC PIPE

| Schedule | Nominal Pipe Size | | Outside Diameter | | Max Working Pressure | | Min Wall Thickness | | Avg Inside Diameter | | Weight of pipe CPVC | | Weight of pipe PVC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (DR) SDR | in | mm | in | mm | psi | kPa | in | mm | in | mm | lbs/ft | kg/m | lbs/ft | kg/m |
| Sch 80 (DR 4.5) | 1/4 | 6 | 0.540 | 13.7 | 1130 | 7 790 | 0.119 | 3.02 | .302 | 7.67 | - | - | 0.10 | 0.150 |
| Sch 80 (DR 5.4) | 3/8 | 10 | 0.675 | 17.1 | 920 | 6 340 | 0.126 | 3.20 | .423 | 10.74 | - | - | 0.14 | 0.210 |
| Sch 40 (DR 8) | 1/2 | 12 | 0.840 | 21.3 | 600 | 4 140 | 0.109 | 2.76 | .602 | 15.26 | 0.18 | 0.269 | 0.17 | 0.253 |
| Sch 80 (DR 6) | | | | | 850 | 5 860 | 0.147 | 3.72 | .526 | 13.34 | 0.22 | 0.335 | 0.21 | 0.313 |
| SDR 21 | | | | | 200 | 1 380 | 0.080 | 2.02 | .660 | 16.74 | - | - | 0.13 | 0.193 |
| Sch 40 (DR 10) | 3/4 | 20 | 1.050 | 26.70 | 480 | 3 300 | 0.113 | 2.86 | .804 | 20.46 | 0.24 | 0.354 | 0.22 | 0.327 |
| Sch 80 (DR 7) | | | | | 690 | 4 760 | 0.154 | 3.90 | .722 | 18.38 | 0.31 | 0.456 | 0.28 | 0.417 |
| SDR 21 | | | | | 200 | 1 380 | 0.060 | 2.02 | .870 | 22.14 | - | - | 0.13 | 0.194 |
| Sch 40 (DR 10) | 1 | 25 | 1.315 | 33.40 | 450 | 3 100 | 0.133 | 3.38 | 1.029 | 26.14 | 0.35 | 0.522 | 0.33 | 0.491 |
| Sch 80 (DR 8) | | | | | 630 | 4 340 | 0.179 | 4.54 | .936 | 23.78 | 0.45 | 0.663 | 0.41 | 0.610 |
| SDR 21 | | | | | 200 | 1 380 | 0.080 | 2.02 | 1.135 | 28.84 | - | - | 0.21 | 0.313 |
| Sch 40 (DR 12) | 1 1/4 | 32 | 1.660 | 42.15 | 370 | 2 550 | 0.141 | 3.56 | 1.360 | 34.53 | 0.47 | 0.705 | 0.44 | 0.655 |
| Sch 80 (DR 9) | | | | | 520 | 3 590 | 0.191 | 4.84 | 1.255 | 31.87 | 0.62 | 0.919 | 0.57 | 0.848 |
| SDR 21 | | | | | 200 | 1 380 | 0.080 | 2.02 | 1.480 | 37.59 | - | - | 0.27 | 0.402 |
| Sch 40 (DR 13) | 1 1/2 | 40 | 1.900 | 48.25 | 330 | 2 280 | 0.145 | 3.68 | 1.590 | 40.37 | 0.57 | 0.843 | 0.52 | 0.774 |
| Sch 80 (DR 10) | | | | | 470 | 3 240 | 0.200 | 5.08 | 1.476 | 37.49 | 0.75 | 1.115 | 0.69 | 1.026 |
| SDR 21 | | | | | 200 | 1 380 | 0.090 | 2.28 | 1.700 | 43.17 | - | - | 0.35 | 0.521 |
| SDR 26 | | | | | 160 | 1 100 | 0.080 | 2.02 | 1.720 | 43.69 | - | - | 0.32 | 0.476 |
| Sch 40 (DR 16) | 2 | 50 | 2.375 | 60.35 | 280 | 1 930 | 0.154 | 3.90 | 2.047 | 52.03 | 0.76 | 1.129 | 0.70 | 1.042 |
| Sch 80 (DR 11) | | | | | 400 | 2 760 | 0.218 | 5.54 | 1.913 | 48.61 | 1.04 | 1.545 | 0.96 | 1.429 |
| SDR 21 | | | | | 200 | 1 380 | 0.113 | 2.86 | 2.129 | 54.11 | - | - | 0.54 | 0.804 |
| SDR 26 | | | | | 160 | 1 100 | 0.091 | 2.30 | 2.173 | 55.23 | - | - | 0.45 | 0.670 |
| Sch 40 (DR 14) | 2 1/2 | 65 | 2.875 | 73.00 | 300 | 2 070 | 0.203 | 5.16 | 2.445 | 62.08 | 1.20 | 1.781 | 1.11 | 1.652 |
| Sch 80 (DR 11) | | | | | 420 | 2 900 | 0.276 | 7.00 | 2.290 | 58.16 | 1.58 | 2.356 | 1.46 | 2.173 |
| SDR 21 | | | | | 200 | 1 380 | 0.137 | 3.48 | 2.581 | 65.54 | - | - | 0.78 | 1.161 |
| SDR 26 | | | | | 160 | 1 100 | 0.110 | 2.78 | 2.635 | 66.92 | - | - | 0.64 | 0.952 |
| Sch 40 (DR 16) | 3 | 75 | 3.500 | 88.90 | 260 | 1 790 | 0.216 | 5.48 | 3.042 | 77.28 | 1.57 | 2.336 | 1.45 | 2.158 |
| Sch 80 (DR 12) | | | | | 370 | 2 550 | 0.300 | 7.62 | 2.864 | 72.74 | 2.12 | 3.153 | 1.96 | 2.917 |
| SDR 21 | | | | | 200 | 1 380 | 0.167 | 4.24 | 3.146 | 79.92 | - | - | 1.14 | 1.697 |
| SDR 26 | | | | | 160 | 1 100 | 0.135 | 3.42 | 3.210 | 81.54 | - | - | 0.94 | 1.399 |
| SDR 32.5 | | | | | 125 | 860 | 0.108 | 2.74 | 3.264 | 82.90 | - | - | 0.77 | 1.146 |
| SDR 41 | | | | | 100 | 690 | 0.085 | 2.16 | 3.310 | 84.08 | - | - | 0.63 | 0.938 |
| Sch 40 (DR 19) | 4 | 100 | 4.500 | 114.30 | 220 | 1 520 | 0.237 | 6.02 | 3.998 | 101.58 | 2.23 | 3.323 | 2.07 | 3.081 |
| Sch 80 (DR 13) | | | | | 320 | 2 210 | 0.337 | 8.56 | 3.786 | 96.16 | 3.10 | 4.610 | 2.87 | 4.271 |
| SDR 21 | | | | | 200 | 1 380 | 0.214 | 5.44 | 4.046 | 102.76 | - | - | 1.88 | 2.798 |
| SDR 26 | | | | | 160 | 1 100 | 0.173 | 4.38 | 4.133 | 105.00 | - | - | 1.54 | 2.292 |
| SDR 32.5 | | | | | 125 | 860 | 0.138 | 3.50 | 4.204 | 106.78 | - | - | 1.25 | 1.860 |
| SDR 41 | | | | | 100 | 690 | 0.110 | 2.78 | 4.260 | 108.22 | - | - | 1.02 | 1.518 |
| Sch 40 (DR 22) | 5 | 125 | 5.563 | 141.30 | 190 | 1 310 | 0.258 | 6.54 | 5.016 | 127.42 | - | - | 2.81 | 4.182 |
| Sch 80 (DR 15) | | | | | 290 | 2 000 | 0.375 | 9.52 | 4.768 | 121.12 | - | - | 4.02 | 5.982 |
| SDR 21 | | | | | 200 | 1 380 | 0.265 | 6.72 | 5.001 | 127.04 | - | - | 2.88 | 4.286 |
| SDR 26 | | | | | 160 | 1 100 | 0.214 | 5.44 | 5.107 | 129.74 | - | - | 2.35 | 3.497 |
| SDR 32.5 | | | | | 125 | 860 | 0.171 | 4.34 | 5.199 | 132.08 | - | - | 1.89 | 2.813 |
| SDR 41 | | | | | 100 | 690 | 0.136 | 3.44 | 5.271 | 133.90 | - | - | 1.53 | 2.277 |
| Sch 40 (DR 24) | 6 | 150 | 6.625 | 168.30 | 180 | 1 240 | 0.280 | 7.10 | 6.031 | 153.22 | 3.93 | 5.853 | 3.65 | 5.432 |
| Sch 80 (DR 16) | | | | | 280 | 1 930 | 0.432 | 10.96 | 5.709 | 145.04 | 5.91 | 8.793 | 5.48 | 8.155 |
| SDR 21 | | | | | 200 | 1 380 | 0.315 | 8.02 | 5.955 | 151.28 | - | - | 4.09 | 6.087 |
| SDR 26 | | | | | 160 | 1 100 | 0.255 | 6.48 | 6.084 | 154.56 | - | - | 3.33 | 4.956 |
| SDR 32.5 | | | | | 125 | 860 | 0.204 | 5.18 | 6.193 | 157.32 | - | - | 2.69 | 4.003 |
| SDR 41 | | | | | 100 | 690 | 0.161 | 4.12 | 6.281 | 159.56 | - | - | 2.15 | 3.200 |

psi @ 73°F
kPa @ 23°C
weight of pipe is for plain end

## TABLE A-14 DIMENSIONS, WEIGHTS & PRESSURE RATINGS FOR PVC & CPVC PIPE

| Schedule | Nominal Pipe Size | | Outside Diameter | | Max Working Pressure | | Min Wall Thickness | | Avg Inside Diameter | | Weight of pipe CPVC | | Weight of pipe PVC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (DR) SDR | in | mm | in | mm | psi | kPa | in | mm | in | mm | lbs/ft | kg/m | lbs/ft | kg/m |
| Sch 40 (DR 27) | 8 | 200 | 8.625 | 219.05 | 160 | 1 100 | 0.322 | 8.18 | 7.941 | 201.71 | 5.92 | 8.812 | 5.50 | 8.185 |
| Sch 80 (DR 17) | | | | | 250 | 1 720 | 0.500 | 12.70 | 7.565 | 192.13 | 8.98 | 13.366 | 8.32 | 12.382 |
| SDR 21 | | | | | 200 | 1 380 | 0.411 | 10.40 | 7.756 | 196.99 | - | - | 6.91 | 10.283 |
| SDR 26 | | | | | 160 | 1 100 | 0.332 | 8.42 | 7.921 | 201.79 | - | - | 5.65 | 8.408 |
| SDR 32.5 | | | | | 125 | 860 | 0.266 | 6.72 | 8.063 | 204.79 | - | - | 4.55 | 6.771 |
| SDR 41 | | | | | 100 | 690 | 0.210 | 5.32 | 8.180 | 207.77 | - | - | 3.63 | 5.402 |
| Sch 40 (DR 30) | 10 | 250 | 10.750 | 273.05 | 140 | 970 | 0.365 | 9.26 | 9.976 | 253.41 | 8.40 | 12.497 | 7.78 | 11.578 |
| Sch 80 (DR 18) | | | | | 230 | 1 590 | 0.593 | 15.06 | 9.493 | 241.13 | 13.32 | 19.816 | 11.81 | 17.576 |
| SDR 21 | | | | | 200 | 1 380 | 0.512 | 12.98 | 9.667 | 245.55 | - | - | 10.73 | 15.968 |
| SDR 26 | | | | | 160 | 1 100 | 0.413 | 10.48 | 9.874 | 250.81 | - | - | 8.76 | 13.036 |
| SDR 32.5 | | | | | 125 | 860 | 0.331 | 8.40 | 10.048 | 255.23 | - | - | 7.08 | 10.536 |
| SDR 41 | | | | | 100 | 690 | 0.262 | 6.66 | 10.195 | 258.95 | - | - | 5.64 | 8.393 |
| Sch 40 (DR 32) | 12 | 300 | 12.750 | 323.90 | 130 | 900 | 0.406 | 10.30 | 11.888 | 302.04 | 11.13 | 16.565 | 10.30 | 15.328 |
| Sch 80 (DR 19) | | | | | 230 | 1 590 | 0.687 | 17.44 | 11.294 | 286.92 | 18.35 | 27.310 | 16.98 | 25.269 |
| SDR 21 | | | | | 200 | 1 380 | 0.607 | 15.38 | 11.465 | 291.28 | - | - | 15.10 | 22.471 |
| SDR 26 | | | | | 160 | 1 100 | 0.490 | 12.44 | 11.711 | 297.52 | - | - | 12.35 | 18.379 |
| SDR 32.5 | | | | | 125 | 860 | 0.392 | 9.96 | 11.919 | 302.78 | - | - | 9.94 | 14.792 |
| SDR 41 | | | | | 100 | 690 | 0.311 | 7.90 | 12.091 | 307.16 | - | - | 7.94 | 11.816 |
| Sch 40 (DR 32) | 14 | 350 | 14.000 | 355.60 | 130 | 910 | 0.438 | 11.13 | 13.072 | 332.03 | 13.16 | 19.590 | 12.18 | 18.130 |
| Sch 80 (DR 19) | | | | | 220 | 1 540 | 0.750 | 19.05 | 12.412 | 315.22 | 21.96 | 32.680 | 20.34 | 30.270 |
| SDR 21 | | | | | 200 | 1 380 | 0.665 | 16.88 | 12.590 | 319.80 | - | - | 18.18 | 27.065 |
| SDR 26 | | | | | 160 | 1 100 | 0.538 | 13.66 | 12.859 | 326.62 | - | - | 14.88 | 22.144 |
| SDR 32.5 | | | | | 125 | 860 | 0.431 | 10.76 | 13.100 | 332.78 | - | - | 11.83 | 17.615 |
| SDR 41 | | | | | 100 | 690 | 0.342 | 8.66 | 13.277 | 337.24 | - | - | 9.58 | 14.260 |
| Sch 40 (DR 32) | 16 | 400 | 16.000 | 406.40 | 130 | 910 | 0.500 | 12.70 | 14.936 | 379.38 | 17.21 | 25.617 | 15.96 | 23.75 |
| Sch 80 (DR 19) | | | | | 220 | 1 540 | 0.843 | 21.41 | 14.224 | 361.29 | 28.09 | 41.801 | 26.03 | 38.74 |
| SDR 21 | | | | | 200 | 1 380 | 0.760 | 19.30 | 14.388 | 365.48 | - | - | 23.76 | 35.36 |
| SDR 26 | | | | | 160 | 1 100 | 0.615 | 15.62 | 14.696 | 373.28 | - | - | 19.41 | 28.89 |
| SDR 32.5 | | | | | 125 | 860 | 0.492 | 12.32 | 14.970 | 380.24 | - | - | 15.47 | 22.99 |
| SDR 41 | | | | | 100 | 690 | 0.391 | 9.90 | 15.172 | 385.38 | - | - | 12.52 | 18.63 |
| Sch 40 (DR 32) | 18 | 450 | 18.000 | 457.20 | 130 | 910 | 0.562 | 14.27 | 16.809 | 429.46 | - | - | 20.11 | 29.93 |
| Sch 80 (DR 19) | | | | | 220 | 1 540 | 0.937 | 23.80 | 16.014 | 406.76 | - | - | 32.76 | 48.75 |
| SDR 21 | | | | | 200 | 1 380 | 0.857 | 21.72 | 16.182 | 411.14 | - | - | 30.11 | 44.81 |
| SDR 26 | | | | | 160 | 1 100 | 0.693 | 17.60 | 16.531 | 419.88 | - | - | 24.62 | 36.64 |
| SDR 32.5 | | | | | 125 | 860 | 0.554 | 14.06 | 16.825 | 427.36 | - | - | 19.86 | 29.55 |
| SDR 41 | | | | | 100 | 690 | 0.440 | 11.14 | 17.065 | 433.46 | - | - | 15.92 | 23.69 |
| Sch 40 (DR 34) | 20 | 500 | 20.000 | 508.00 | 120 | 840 | 0.593 | 15.06 | 18.743 | 476.07 | - | - | 23.62 | 35.15 |
| Sch 80 (DR 19) | | | | | 220 | 1 450 | 1.031 | 26.19 | 17.814 | 452.48 | - | - | 40.09 | 59.66 |
| SDR 21 | | | | | 200 | 1 380 | 0.952 | 24.12 | 17.982 | 456.86 | - | - | 37.17 | 55.32 |
| SDR 26 | | | | | 160 | 1 100 | 0.770 | 19.56 | 18.368 | 466.54 | - | - | 30.37 | 45.20 |
| SDR 32.5 | | | | | 125 | 860 | 0.615 | 15.62 | 18.696 | 474.88 | - | - | 24.47 | 36.42 |
| SDR 41 | | | | | 100 | 690 | 0.489 | 12.42 | 18.963 | 481.66 | - | - | 19.61 | 29.18 |
| Sch 40 (DR 35) | 24 | 600 | 24.000 | 609.60 | 120 | 840 | 0.687 | 17.45 | 22.544 | 572.62 | - | - | 32.87 | 48.92 |
| Sch 80 (DR 20) | | | | | 210 | 1 470 | 1.218 | 30.94 | 21.418 | 544.02 | - | - | 56.88 | 84.65 |
| SDR 21 | | | | | 200 | 1 380 | 1.143 | 28.96 | 21.576 | 548.20 | - | - | 53.54 | 79.68 |
| SDR 26 | | | | | 160 | 1 100 | 0.924 | 23.46 | 22.041 | 559.86 | - | - | 43.77 | 65.14 |
| SDR 32.5 | | | | | 125 | 860 | 0.740 | 18.80 | 22.431 | 569.74 | - | - | 35.35 | 52.61 |
| SDR 41 | | | | | 100 | 690 | 0.585 | 14.86 | 22.760 | 578.10 | - | - | 28.12 | 41.84 |

psi @ 73°F
kPa @ 23°C
weight of pipe is for plain end