

SEWER

PVC SEWER & STORM DRAINAGE PIPE (4" - 15")

NATIONAL PIPE & PLASTICS

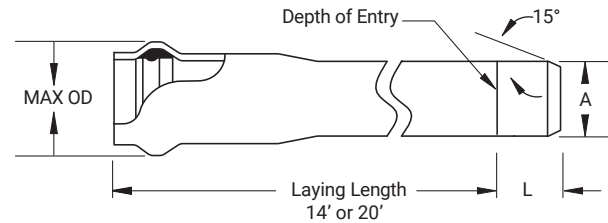
A CRH COMPANY

SCOPE

This submittal designates the general requirements for Unplasticized Polyvinyl Chloride (PVC) Plastic PSM Sewer Pipe from compound with a cell class 12454, as defined in ASTM Standard D-1784.

PIPE

Pipe in trade size diameters of 4" through 15" shall meet the requirements of the latest ASTM D-3034 Standard. If integral gasketed bell ends are provided on the pipe, the pipe joint must meet the requirements of ASTM Standard D-3212, and the sealing gasket must conform to the requirements of ASTM Standard F-477 for sizes 4"-15". Pipe in trade size diameters of 4 and 6 inch are available with solvent-weld bells. Pipe is manufactured to a standard laying length of 14 feet. Other lengths available upon request.



ASTM D-3034 Sewer Pipe Size and Dimensions

| Nominal Size (in) | Metric (mm) | Dimension Ratio (DR) | Approvals | Min Stiffness (psi) | "A" Average (OD) Outside Diameter | Min. Wall | Max OD Reference | "L" Dimension (Min/Max) |
|-------------------|-------------|----------------------|-----------|---------------------|-----------------------------------|-----------|------------------|-------------------------|
| 4 | 100 | 35 | ASTM | 46 | 4.215 | .120 | 5.050 | 3.250 |
| | | 28 | ASTM | 91 | | .151 | | - |
| | | 26 | ASTM | 115 | | .162 | | 3.500 |
| 5 | 135 | 28 | ASTM | 91 | 5.640 | .201 | 6.188 | 3.750 - 4.125 |
| 6 | 150 | 35 | ASTM | 46 | 6.275 | .180 | 7.305 | 4.000 |
| | | 28 | ASTM | 91 | | .224 | | - |
| | | 26 | ASTM | 115 | | .241 | | 4.375 |
| 8 | 200 | 35 | ASTM | 46 | 8.400 | .240 | 9.605 | 4.125 |
| | | 26 | ASTM | 115 | | .323 | | 4.375 |
| 10 | 250 | 35 | ASTM | 46 | 10.500 | .300 | 12.030 | 5.750 |
| | | 26 | ASTM | 115 | | .404 | | 6.000 |
| 12 | 300 | 35 | ASTM | 46 | 12.500 | .360 | 14.100 | 5.875 |
| | | 26 | ASTM | 115 | | .481 | | 6.125 |
| 15 | 375 | 35 | ASTM | 46 | 15.300 | .437 | 17.200 | 6.125 |
| | | 26 | ASTM | 115 | | .588 | | 6.375 |

NOTE: Canadian PVC sewer pipe specifications are available upon request. This Engineering submittal specification is for products delivered in the U.S. only.



SEWER

PVC SEWER & STORM DRAINAGE PIPE (18" - 36")

NATIONAL PIPE & PLASTICS

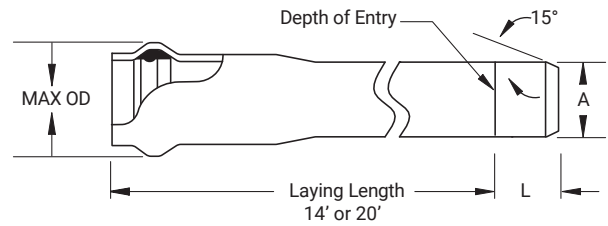
A CRH COMPANY

SCOPE

This submittal designates the general requirements for Unplasticized Polyvinyl Chloride (PVC) Plastic PSM Sewer Pipe from compound with a cell class 12454, as defined in ASTM Standard D-1784.

PIPE

Pipe in trade sizes diameter of 18" and above shall meet the requirements of the latest ASTM Standard F-679. If integral gasketed bell ends are provided on the pipe, the pipe joint must meet the requirements of ASTM Standard D-3212. Pipe is manufactured to a standard laying length of 14 feet. Other lengths available upon request.



ASTM F-679 Sewer Pipe Size and Dimensions

| Nominal Size (in) | Metric (mm) | Approvals | Min Stiffness (psi) | "A" Average (OD) Outside Diameter | Min. Wall | Max OD Reference | "L" Dimension (Min/Max) |
|-------------------|-------------|-----------|---------------------|-----------------------------------|-----------|------------------|-------------------------|
| 18 | 450 | ASTM | 46 | 18.701 | 0.499 | 20.69 | 8.875 |
| | | ASTM | 115 | | 0.671 | | 9.125 |
| 21 | 525 | ASTM | 46 | 22.047 | 0.588 | 24.26 | 9.875 |
| | | ASTM | 115 | | 0.791 | | 10.125 |
| 24 | 600 | ASTM | 46 | 24.803 | 0.661 | 27.29 | 10.875 |
| | | ASTM | 115 | | 0.889 | | 11.125 |
| 27 | 675 | ASTM | 46 | 27.953 | 0.745 | 32.5 | 10.125 |
| | | ASTM | 115 | | 1.002 | | 11.125 |
| 30 | 750 | ASTM | 46 | 32.000 | 0.853 | 37.25 | 12.625 |
| | | ASTM | 115 | | 1.148 | | 13.625 |
| 36 | 900 | ASTM | 46 | 38.300 | 1.021 | 43.25 | 12.875 |
| | | ASTM | 115 | | 1.373 | | 13.875 |

NOTE: This engineering submittal specification is for products delivered in the U.S. only.



SEWER

PVC SEWER & STORM DRAINAGE PIPE (42" - 48")

NATIONAL PIPE & PLASTICS

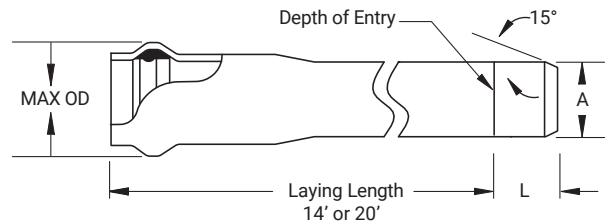
A CRH COMPANY

SCOPE

This submittal designates the general requirements for Unplasticized Polyvinyl Chloride (PVC) Plastic PSM Sewer Pipe from compound with a cell class 12454, as defined in ASTM Standard D-1784.

PIPE

Pipe in trade sizes diameter of 18" and above shall meet the requirements of the latest ASTM Standard F-679. If integral gasketed bell ends are provided on the pipe, the pipe joint must meet the requirements of ASTM Standard D-3212. Pipe is manufactured to a standard laying length of 14 feet. Other lengths available upon request.



ASTM F-679 Sewer Pipe Size and Dimensions

| Nominal Size (in) | Metric (mm) | Approvals | Min Stiffness (psi) | "A" Average (OD) Outside Diameter | Min. Wall | Max OD Reference | "L" Dimension (Min/Max) |
|-------------------|-------------|-----------|---------------------|-----------------------------------|-----------|------------------|-------------------------|
| 42 | 1050 | ASTM | 46 | 44.500 | 1.187 | 53 | 15.750 |
| | | ASTM | 75 | | 1.391 | | - |
| | | ASTM | 115 | | 1.596 | | 16.75 |
| 48 | 1200 | ASTM | 46 | 50.800 | 1.355 | 60 | 15.875 |
| | | ASTM | 75 | | 1.588 | | - |
| | | ASTM | 115 | | 1.822 | | 16.875 |

NOTE: This engineering submittal specification is for products delivered in the U.S. only.

