

NovaForm™ Expand-in-Place Styrene-Free PVC Liner

Sample Short Specification

Expand-in-Place Styrene-free PVC Liner shall be manufactured and tested in accordance with ASTM F1504 in 6" - 30" sizes. The PVC Liner shall be manufactured such that when fully expanded inside the host pipe the liner will have a minimum thickness as shown below.

Table 3 Rounded Pipe Dimensions

Nominal Outside Diameter In. (mm)	Minimum Wall Thickness In. (mm)
6 (150)	0.17 (4.3)
8 (200)	0.23 (5.8)
10 (250)	0.28 (7.3)
12 (300)	0.34 (8.7)
12 (300)	0.29 (7.4)
15 (375)	0.30 (7.6)
18 (450)	0.27 (6.9)
24 (600)	0.36 (9.2)
30 (750)	0.45 (11.5)

Note: As per the ASTM F1504 standard, some sizes are available in multiple thicknesses, as shown in the table above.

The current ASTM F1504 standard covers sizes only up to 15". However, the larger sizes comply with the tests and parameters mentioned therein.

The Expand-in-Place PVC Liner shall be made from PVC compound meeting all the requirements for cell classification 12334 as defined in specification ASTM D1784 and with minimum flexural modulus properties, tested as per ASTM Method D790, of 320,000psi (2,200MPa). All sizes of the PVC Liner shall be colour coded white.

The Expand-in-Place PVC Liner shall be installed in accordance with ASTM F1947, with pre-installation preparation and post-installation finishing following the NASSCO Performance Specification Guideline for the Installation of Folded (Thermoplastic) Pipe (FP).

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