



Mueller Streamline Co.  
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Date: July 6, 2011  
Subject: **Product Standards - Plastic Pipe, Valve, and Fittings**

Mueller Streamline Co. provides Streamline® brand plastic the following products in the United States of America: Plastic DWV Fittings (Drain, Waste, and Vent), Plastic Sewer Fittings, Plastic Insert Fittings, Plastic Low Pressure Valves and Plastic Pressure Fittings. These products meet or exceed all applicable Standards below (unless specified otherwise in price sheets, catalogs or third party listings). Information on chemical resistance and performance can be furnished for specific applications – Do not test or use Mueller Streamline Co. plastics products with compressed air or compressed gases.

#### STANDARDS:

- ABS-DWV Cellular Core Pipe is produced in strict accordance with ASTM F628
- ABS-DWV Fittings are produced in strict accordance with ASTM D2661, F1498, D3311, D3965 and CSA B181.1.
- PVC-DWV Fittings (sch. 40) are produced in strict accordance with ASTM D2665, F1498, D3311 and D1784.
- PVC-DWV Fittings 3.25 inch (also called thin-wall) are produced in strict accordance with ASTM D2949, F1498 and D1784.
- Styrene Sewer and Drain Fittings are produced in strict accordance with ASTM D2852.
- All 4" PVC Sewer Fittings are produced in strict accordance with ASTM D3034 and D1784.
- All PVC Sewer Fittings (other than 4") are produced in strict accordance with ASTM D2729 and D1784.
- Nylon and Polypropylene Barbed Insert Fittings are produced in strict accordance with ASTM D2609 and F1498.
- Valves are special engineered products and are in accordance with the following materials specifications: ASTM D2133 for Celcon, ASTM D1784 for PVC and CPVC.
- PVC-Pressure Fittings (sch. 40 white) cell class 12454, formerly designated type 1 grade 1 material are produced in strict accordance with ASTM D2466, D1784 and F1498. Listed with NSF International to meet NSF/ANSI Standards 14 and 61 for use with potable water.
- PVC-Pressure Fittings (sch. 80 dark-gray) cell class 12454, formerly designated type 1 grade 1 material are produced in strict accordance with ASTM D2467, D1784 and F1498. Listed with NSF International to meet NSF/ANSI Standards 14 and 61 for use with potable water.
- CPVC-Pressure Fittings (sch. 80 light-gray) cell class 23447, formerly designated type 4 grade 1 material are produced in strict accordance with ASTM F439, D1784 and F1498. Listed with NSF International to meet NSF/ANSI Standards 14 and 61 for use with potable water.
- CPVC CTS (Copper Tube Size) SDR 11 tan, cell class 23447, formerly designated type 4 grade 1 material are produced in strict accordance with Specifications: ASTM D2846, D1784 and F1498. Listed with NSF International to meet NSF/ANSI Standards 14 and 61 for use with potable water.

#### THIRD PARTY LISTINGS:

- Mueller Streamline Co. Plastic pipe, valve, and fittings have the following Third Party listings:
- NSF International: ABS DWV Cellular Core Pipe, ABS and PVC sch. 40 DWV fittings, PVC 3.25 inch DWV fittings, PVC Pressure sch. 40 and 80 fittings, CPVC Pressure sch. 80 fittings, CPVC CTS (copper tube size) SDR 11 fittings, PVC Waste and stop valves, PP and Nylon Insert fittings.
- IAPMO: ABS DWV Cellular Core Pipe, ABS and PVC sch. 40 DWV fittings
- CSA: ABS DWV fittings.