CPVC PIPE

SPEARS EVERTUFF



ETI-4-1108

EVERTUFF INDUSTRIAL CPV C PIPING PRODUCTS

PRODUCT DESCRIPTION

EverTuff Industrial CPVC pipe is a cost-effective solution for many of today's industrial piping applications, including industrial services that involve hot corrosive fluid transfer. EverTuff Industrial CPVC pipe is available in Schedule 40 and Schedule 30, and conforms to the requirements of American Society of Testing and Materials (ASTM) F441. Ranging in size from 1/2 inch to 8 inches, Evertuff Industrial CPVC pipe has an upper working temperature of 200°F. 60°F above that of Type I Grade I PVC pipe.

This temperature advantage, along with other features of Evertuff Industrial CPVC pipe such as exceptional corrosion resistance, pressure bearing capabilities, low flame spread/smoke generation and lighter weight versus other piping materials, make it the piping solution of choice for many industrial applications. Evertuff CPVC piping products are independently tested by the NSF International to ensure that they meet requirements for potable water applications.

DIMENSIONS - PIPE

CPVC Schedule 40 and Schedule 80 pipe shall be manufactured in accordance to the requirements of ASTM-F441 for physical dimensions and tolerances. Each production run of pipe manufactured in compliance to this standard shall also meet the test requirements for materials, workmanship, burst pressure, flattening and extrusion quality defined in ASTM-F441.

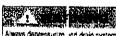
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/// male						
Nom. Dia. InchesiMM	Actual Outside Dia, Inches/MM	Averago I.D.	Min. Wali	Nominal WL/PL	Max W.P.* pei	
1/2	.B40	.608	.109	.180	600	
3/4	1.050	.010	.113	.239	480	
1	1.315	1.033	133	.352	450	
1-1/4	1.660	1.364	.140	.475	370	
1-1/2	1 900	1,592	.145	.568	330	
2	2.375	2.049	154	.761	280	
2-1/2	2.875	2.445	.203	1,201	300	
3	3,500	3.042	.216	1.572	260	
4	4.500	3.998	.237	2.239	220	
6	6.625	6.031	.280	3.945	180	
8	B:625	7.943	.322	5.95B	160	

FIRSTEF CPVC Schem:

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Nom, Dia, Inches/MM	Actual Otanide Dis: Inches/MM	Average LD:	WITE WAR	Wuft.	W.P.* psi
1/2	.840	.528	147.0	:: :225	850
3/4	1,050	724	154	305	890
1	1,315	.935	.178	.449	630
1-1/4	1:660	1.256	191.	618	. 520
1-1/2	1.900	1.476	.200i	.751	470
2	2.375	1.913	218	1.040	400
2-1/2	2.875	2.289	276	1,584	420
3	3.500	2.864	.300	2,124	370
4	4,500	3.786	.337	3,105	320
6	6. 62 5	5.709	.432	5,929	280
8	5.625	7.943	.322	5.958	250

*Al Ambient 73.4°F Temperature



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TEMPERATURE DE RATING

The following temperature de-rating factors are to be applied to the listed working pressures when operating at elevated temperatures. Multiply the working pressure rating of the selected pipe at 73°F by the appropriate de-rating factor to determine the maximum working pressure rating of the pipe at the elevated temperature chosen,

Operating Temperature	Temperature De-Rating		
<u>(F)</u>	Factor		
73 to 80	1.00		
90	0.91		
100	0.82		
110	0.72		
120	0.65		
130	0.57		
110	0.50		
150	0.42		
160	0.40		
170	0.29		
180	0.25		
200	0.20		

FLOW

CPIC MATERIAL SPECIFICATION

All EverTuff CPVC Schedule 40 and Schedule 80 pipe shall be manufactured from a Type IV Grade I CPVC compound with a Cc I Classification of 23447 per ASTM-D1784. The pipe shall be manufactured in strict compliance to ASTM-F441. cons stently meeting the quality assurance test requirements of this standard with regard to material, workmanship, burst pressure, flattening and extrusion quality. This compound shall be light gray in color, and shall be approved by the NSF for use with potable water. CPVC material used shall be compounded as provided by Coastline Plastics, LLC. The pipe shall be produced in the United States of America, and after production shall be stored indoors or under cover at the manufacturing site until shipped. All pipe shall be manufactured by Coastline Plastics, LLC.

Solvent-cemented joints should be utilized when working at or near maximum temperatures. When threading CPVC pipe, Coastline Plastics, LLC recommends using only flanged joints or unions whe disassembly is necessary at elevated temperatures.

Schedule 80 for services with temperatures up to 150°F. Use

MARKING

size, the material designation code, the pipe schedule and designation F441, and the incependent laboratory's scal of approval for potable water in ge.

Product marking shall meet to a requirements of ASTM-F441 and shall include the manufa - urer's name, the nominal pipe pressure rating in psi for wat and 73°F and 180°F, the ASTM

Corrosion-resistant pressure pe is available in iron pipe sizes with schedule, pipe size and imperature. Fipe is generally and halogens. Chemical resis ance data is available and should be referenced for projer material se cetion. Pipe exhibits excellent physical properties and flammability characteristics. Typical applications include: chemical processing, plating, high puri / applications, hot and cold other industrial applications i volving hot corresive fluid transfer. Specific questions re- arding your applications should be referred to Coastlin Plastics, LLC.

(IPS) 1/2 inch through 8 inch is for use at temperatures up to and including 200°F. Pressur rating (160 r si to 850 psi) varies resistant to most acids, bases salts, aliphatic solutions, oxidants potable water systems, water and wastewater treatment, and

SOP

This specification outlines maintain manufacturing requirements for CPVC Scholules 40 and £0 IPS pressure pipe. This pipe is intended for use in industrial systems where the fluid conveyed doc not exceed 200°F. This pipe meets and/or exceeds the industry standards and requirements as set forth by t = ASTM and the NSF.

EverTUFF CPVC Pipe shoul be covered with a non-transparent material who stored outsice.

All information contained herein accuracy. If additional information

given in good foith without guarantee of completene as or is reoded, please contact Coastine Plastics, LLC.

Coastline Plastics, Luc.

