

Chemkor Schedule 80 Pipe



PVC is the most frequently specified of all plastic piping materials. It has been used successfully for over 60 years. PVC is characterized by distinctive physical properties and is resistant to corrosion and chemical attack by acids, alkalies, salt solutions and many other chemicals. It is attacked, however, by polar solvents such as ketones and aromatics. Of the various types and grades of PVC used in plastic piping, Type 1, Grade 1 PVC (Cell Classification 12454-B) conforming to ASTM D1784, is the most common. The maximum service temperature for PVC is 140°F.

With a design stress of 2,000 psi, PVC has the highest long-term hydrostatic strength (at 73°F) of any other major thermoplastic material used for piping.

Applications

- Swimming Pools and Spas
- Chemical Feed Systems
- Industrial Water Treatment Systems
- Municipal Water Treatment Systems
- Turn-key Treatment Skids
- Cooling Towers
- Metallic Plating Lines

Features

- Stocked in 10' or 20' lengths, bell and plain end
- Available in custom lengths as a special
- Bell end joints also available
- Lightweight for quick and easy installation
- Smooth interior walls reduce friction
- Reduced friction limits energy requirements
- Low maintenance reduces operating costs

MM	NOMINAL PIPE SIZE (INCHES)	PART NUMBER	OUTSIDE DIAMETER (IN)	MAX. INSIDE DIAMETER (IN)	MIN. WALL THICKNESS (IN)	WEIGHT PER 100 FEET (LB)	PRESSURE RATING AT 73.4°F PSI
6	1/4 x 20 ft	010304	0.540	0.302	0.119	10	1130
10	3/8 x 20 ft	010306	0.675	0.423	0.126	14	910
12	1/2 x 20 ft	010307	0.840	0.546	0.147	21	840
20	3/4 x 20 ft	010308	1.050	0.742	0.154	28	680
25	1 x 20 ft	010309	1.315	0.957	0.179	41	630
32	1 1/4 x 20 ft	010310	1.660	1.278	0.191	57	520
40	1 1/2 x 20 ft	010311	1.900	1.500	0.200	68	470
50	2 x 20 ft	010312	2.375	1.939	0.218	94	400
65	2 1/2 x 20 ft	010313	2.875	2.323	0.276	144	420
75	3 x 20 ft	010314	3.500	2.900	0.300	193	370
100	4 x 20 ft	010316	4.500	3.826	0.337	282	320
125	5 x 20 ft	010317	5.563	4.768	0.375	392	290
150	6 x 20 ft	010318	6.625	5.761	0.432	538	280
200	8 x 20 ft	010319	8.625	7.625	0.500	817	240
250	10 x 20 ft	010320	10.75	9.564	0.593	1212	230
300	12 x 20 ft	010322	12.75	11.376	0.687	1680	220
350	14 x 20 ft	010324	14.00	12.410	0.750	1979	220
400	16 x 20 ft	010326	16.00	14.214	0.843	2543	220
450	18 x 20 ft	010328	18.00	16.014	0.937	3183	220
500	20 x 20 ft	010330	20.00	17.814	1.031	4105	220
600	24 x 20 ft	010334	24.00	21.418	1.218	5823	210

Notes:

- Applicable pressure de-ratings at elevated temperatures apply. All Plastic Piping systems must be designed for potential Hydraulic Shock (water hammer), see Section 10, Engineering Data.
- CHEMKOR pressure pipe conforms to CSA Standard B137.3 and ASTM D1784, D1785.
- Schedule 80 pipe is recommended for threading.
- Not recommended for compressed air or gas service.