



PRESSURES/TEMPERATURES

PIPE & FITTINGS

MAXIMUM OPERATING PRESSURE (PSI) AT 75°F*						
NOMINAL PIPE SIZE	SCHEDULE 40 CPVC & PVC	SCHEDULE 80 CPVC & PVC		SCHEDULE 80 POLYPROPYLENE	SCHEDULE 80 PVDF	
	Socket End	Socket End	Threaded End	Thermo-Seal Joint**	Thermo-Seal Joint	Threaded End
1/2	600	850	420	410	580	290
3/4	480	690	340	330	470	235
1	450	630	320	310	430	215
1 1/4	370	520	260	—	—	—
1 1/2	330	471	240	230	320	160
2	280	400	200	200	275	135
2 1/2	300	425	210***	185	—	—
3	260	375	190***	185	—	—
4	220	324	160***	160	—	—
6	180	280	N.R.	N.R.	—	—
8	160	250	N.R.	—	—	—
10	140	230	N.R.	—	—	—
12	130	230	N.R.	—	—	—

* Based on water service, for more severe service, an additional correction factor may be required.

** Threaded Polypropylene is not recommended for pressure service.

*** For threaded and back-welded joints.

N.R. — Not Recommended

Plastic pipe is not recommended for air or compressed gas service.

TEMPERATURE CORRECTION FACTORS

Operating Temp. (°F)	FACTORS			
	PVC	CPVC	PP	PVDF
70	1.00	1.00	1.00	1.00
80	0.90	0.96	0.97	0.95
90	0.75	0.92	0.91	0.87
100	0.62	0.85	0.85	0.80
110	0.50	0.77	0.80	0.75
115	0.45	0.74	0.77	0.71
120	0.40	0.70	0.75	0.68
125	0.35	0.66	0.71	0.66
130	0.30	0.62	0.68	0.62
140	0.22	0.55	0.65	0.58
150	N.R.	0.47	0.57	0.52
160	N.R.	0.40	0.50	0.49
170	N.R.	0.32	0.26	0.45
180	N.R.	0.25	*	0.42
200	N.R.	0.18	N.R.	0.36
210	N.R.	0.15	N.R.	0.33
240	N.R.	N.R.	N.R.	0.25
280	N.R.	N.R.	N.R.	0.18

N.R. — Not Recommended

*Recommended for continuous drainage pressure only.