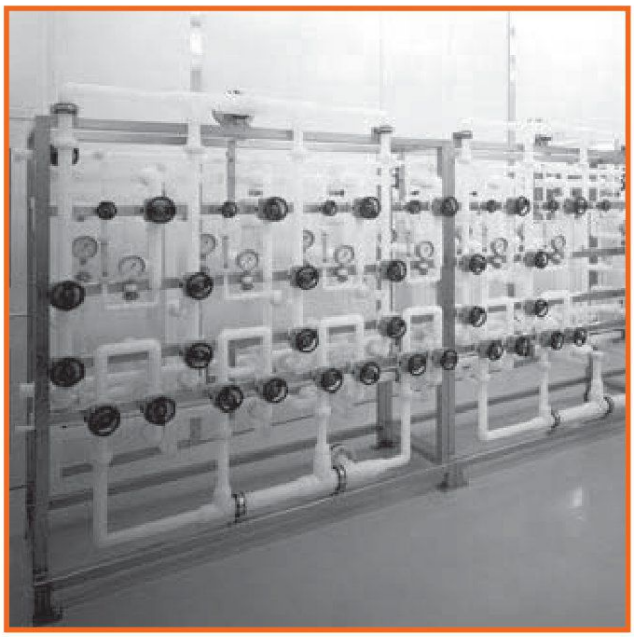
Natural Polypropylene Pipe



Rigid Natural non-pigmented polypropylene used in the manufacture of industrial piping components conform to the requirements in ASTM D–4101. All components are manufactured from a high purity, unpigmented compound. Fittings are industrial, heavy duty, Schedule 80 hub style. Fitting components that utilize socket type heat fusion welded connections have socket lengths and wall thicknesses conforming to ASTM D–2467 and socket diameters are in accordance with the manufacturer's printed recommendations to provide an interference fit with the pipe. Components utilizing taper pipe threads are to have thread lengths, diameters, and configurations in conformance with ASTM D–2464. Unions are the Viton O–ring seal type.

Features

- Stocked in 20' lengths, plain end
- Extremely corrosion resistant
- Ideal for applications up to 180 °F
- Joined by the thermo-seal fusion process, threading or flanging

Applications

- Semi-conductor
- Pharmaceutical
- Chemical processing
- Pulp and paper
- Electronic
- Biotechnology
- Healthcare
- Universities

MM	NOMINAL PIPE SIZE (IN)	PART NUMBER	OUTSIDE DIAMETER (IN)	MIN. WALL THICKNESS (IN)	WEIGHT PER 100 FEET	PRESSURE RATING AT 73.4°F
12	1/2 x 20 ft	69306	0.840	0.147	14	410
20	3/4 x 20 ft	69307	1.050	0.154	18	330
25	1 x 20 ft	69308	1.315	0.179	27	310
40	1 1/2 x 20	69310	1.900	0.200	45	230
50	2 x 20 ft	69311	2.375	0.218	62	200
75	3 x 20 ft	69313	3.500	0.300	126	190
100	4 x 20 ft	69314	4.500	0.337	184	160

Notes:

- Pipe sold in 100 foot bundles to 6".
- Pipe is 20 feet long in plain ends. For other lengths and pipe ends, please consult our customer service department.
- Threading polypropylene schedule 80 pipe reduces working pressure to approximately 20 psi (drainage). Threading polypropylene schedule 40 pipe is not recommended.
- Larger diameter pipe is available on request. Please consult our customer service department.
- These products are not recommended for compressed air or gas systems.
- Black Polypropylene socket and threaded systems available on request. Please consult our customer service department.

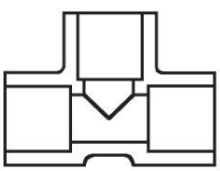
Natural Polypropylene Fittings

Natural Polypropylene Schedule 80 Fittings

Notes:

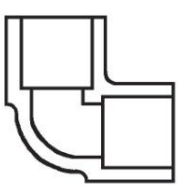
- Socket valves, flanges, and unions, regardless of size are rated at 150 psi for water service at 73.4°F (23°C).
- Other fittings are available upon request
- All 1/2" - 4" Moulded flanges have a 150 psi Maximum Internal Pressure Rating @ 73°F (23°C).
- No provisions have been made for pressure surges, water hammer, or other conditions which should be considered.
- Larger sizes available on request.

SOCKET TEES



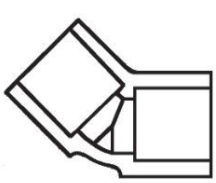
NOMINAL PIPE SIZE	PART NUMBER
1/2	601005
3/4	601007
1	601010
1 1/2	601015
2	601020
3	601030
4	601040

90° SOCKET ELBOWS



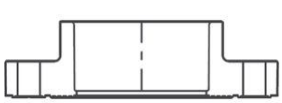
NOMINAL PIPE SIZE	PART NUMBER
1/2	606005
3/4	606007
1	606010
1 1/2	606015
2	606020
3	606030
4	606040

45° SOCKET ELBOWS



NOMINAL PIPE SIZE	PART NUMBER
1/2	617005
3/4	617007
1	617010
1 1/2	617015
2	617020
3	617030
4	617040

150 LB SOCKET FLANGES

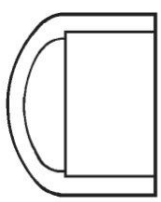


NOMINAL PIPE SIZE	PART NUMBER
1/2	651005
3/4	651007
1	651010
1 1/2	651015
2	651020
3	651030
4	651040

150 LB BLIND FLANGES

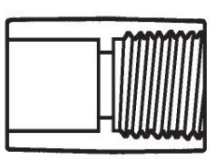
NOMINAL PIPE SIZE	PART NUMBER
1/2	653005
3/4	653007
1	653010
1 1/2	653015
2	653020
3	653030
4	653040

SOCKET CAPS



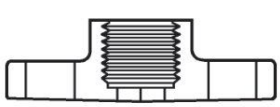
NOMINAL PIPE SIZE	PART NUMBER
1/2	647005
3/4	647007
1	647010
1 1/2	647015
2	647020
3	647030
4	647040

FEMALE ADAPTERS



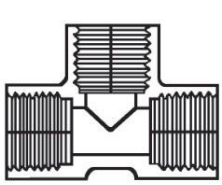
NOMINAL PIPE SIZE	PART NUMBER
1/2	635005
3/4	635007
1	635010
1 1/2	635015
2	635020
3	635030
4	635040

150 LB THREADED FLANGES



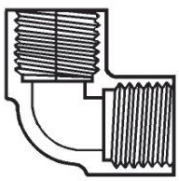
NOMINAL PIPE SIZE	PART NUMBER
1/2	652005
3/4	652007
1	652010
1 1/2	652015
2	652020
3	652030
4	652040

THREADED TEES



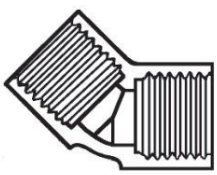
NOMINAL PIPE SIZE	PART NUMBER
1/2	605005
3/4	605007
1	605010
1 1/2	605015
2	605020
3	605030
4	605040

90° THREADED ELBOWS



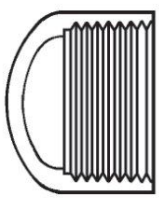
NOMINAL PIPE SIZE	PART NUMBER
1/2	608005
3/4	608007
1	608010
1 1/2	608015
2	608020
3	608030
4	608040

45° THREADED ELBOWS



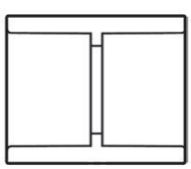
NOMINAL PIPE SIZE	PART NUMBER
1/2	619005
3/4	619007
1	619010
1 1/2	619015
2	619020
3	619030
4	619040

THREADED CAPS



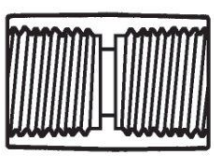
NOMINAL PIPE SIZE	PART NUMBER
1/2	648005
3/4	648007
1	648010
1 1/2	648015
2	648020
3	648030
4	648040

SOCKET COUPLINGS



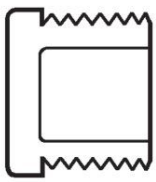
NOMINAL PIPE SIZE	PART NUMBER
1/2	629005
3/4	629007
1	629010
1 1/2	629015
2	629020
3	629030
4	629040

THREADED COUPLINGS



NOMINAL PIPE SIZE	PART NUMBER
1/2	630005
3/4	630007
1	630010
1 1/2	630015
2	630020
3	630030
4	630040

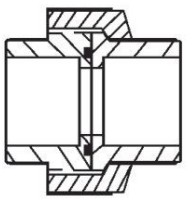
THREADED PLUGS



NOMINAL PIPE SIZE	PART NUMBER
1/2	650005
3/4	650007
1	650010
1 1/2	650015
2	650020
3	650030
4	650040

SOCKET UNIONS

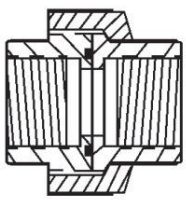
(Viton o-Rings)



NOMINAL PIPE SIZE	PART NUMBER
1/2	697005
3/4	697007
1	697010
1 1/2	697015
2	697020

THREADED UNIONS

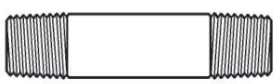
(Viton o-Rings)



NOMINAL PIPE SIZE	PART NUMBER
1/2	698005
3/4	698007
1	698010
1 1/2	698015
2	698020

THREADED NIPPLES

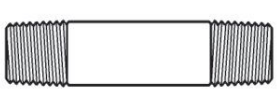
(close)



DIAMETER (INCHES)	PART NUMBER
1/2	661063
3/4	661104
1	661133
1 1/2	661213
2	661251
3	661338
4	661422

THREADED NIPPLES

(short)



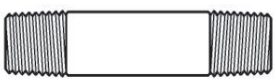
DIAMETER (INCHES)	PART NUMBER
1/2	661078
3/4	661105
1	661134
1 1/2	661214
2	661252

Natural Polypropylene Fittings

THREADED NIPPLES
(3 Inches)

DIAMETER (INCHES)	PART NUMBER
1/2	661081
3/4	661106
1	661135
1 1/2	661215
2	661253
3	661339

THREADED NIPPLES
(4 inches)



DIAMETER (INCHES)	PART NUMBER
1/2	661082
3/4	661107
1	661136
1 1/2	661216
2	661254
3	661341
4	661423

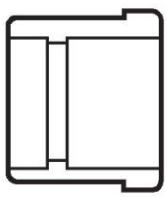
THREADED NIPPLES
(5 inches)

DIAMETER (INCHES)	PART NUMBER
1/2	661083
3/4	661108
1	661137
1 1/2	661217
2	661255
3	661342
4	661430

THREADED NIPPLES
(6 inches)

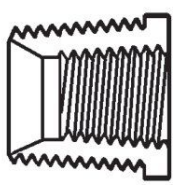
DIAMETER (INCHES)	PART NUMBER
1/2	661084
3/4	661109
1	661138
1 1/2	661218
2	661256
3	661343
4	661426

REDUCER BUSHINGS
(socket x slip)



NOMINAL PIPE SIZE	PART NUMBER
3/4 x 1/2	637101
1 x 1/2	637130
1 x 3/4	637131
1 1/2 x 1	637211
2 x 1	637249
2 x 1 1/2	637251
3 x 2	637338
4 x 3	637422

REDUCER BUSHINGS
(fpt x mpt)



NOMINAL PIPE SIZE	PART NUMBER
3/4 x 1/2	639101
1 x 1/2	639130
1 x 3/4	639131
1 1/2 x 1	639211
2 x 1	639249
2 x 1 1/2	639251