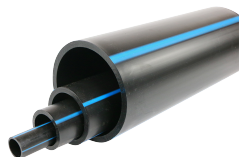


ASTM F714 IPS HDPE PIPE

- Items highlighted in Blue indicates standard stocking items that are more readily available.
- Pressures are based on using water at 23°C (73°F).
- Average inside diameter calculated using nominal OD and minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary.
- Service factors should be utilized to compensate for the effect of liquids other than water, and for other temperatures.
- Other piping sizes or DR's may be available upon request.
- Standard Lengths:
40' for 2"-24"
50' for 26" and larger
Coils available for 3/4"-6"(8" by special order)

ASTM F714 PE 4710 IPS HDPE Pipe Sizes

Nominal Pressure		333 psi	318 psi	250 psi	200 psi	160 psi	125 psi	100 psi	80 psi
		DR 7	DR7.3	DR 9	DR 11	DR 13.5	DR 17	DR 21	DR 26
Pipe Size	IPS OD (in)	Min Wall	Min Wall	Min Wall	Min Wall	Min Wall	Min Wall	Min Wall	Min Wall
1 "	1.315	0.188	0.180	0.146	0.120	0.097	-	-	-
2 "	2.375	0.339	0.325	0.264	0.216	0.176	0.140	-	-
3 "	3.5	0.500	0.479	0.389	0.318	0.259	0.206	-	-
4 "	4.5	0.643	0.616	0.500	0.409	0.333	0.265	0.214	-
5 "	5.563	0.795	0.762	0.618	0.506	0.412	0.327	0.265	0.214
6 "	6.625	0.946	0.908	0.736	0.602	0.491	0.390	0.315	0.255
8 "	8.625	1.232	1.182	0.958	0.784	0.639	0.507	0.411	0.332
10 "	10.75	1.536	1.473	1.194	0.977	0.796	0.632	0.512	0.413
12 "	12.75	1.821	1.747	1.417	1.159	0.944	0.750	0.607	0.490
14 "	14	2.000	1.918	1.556	1.273	1.037	0.824	0.667	0.538
16 "	16	2.286	2.192	1.778	1.455	1.185	0.941	0.762	0.615
18 "	18	2.571	2.466	2.000	1.636	1.333	1.059	0.857	0.692
20 "	20	2.857	2.740	2.222	1.818	1.481	1.176	0.952	0.769
24 "	24	3.429	3.288	2.667	2.182	1.778	1.412	1.143	0.923
26 "	26	-	-	2.889	2.364	1.926	1.529	1.238	1.000
28 "	18	-	-	3.111	2.545	2.074	1.647	1.333	1.077
30 "	30	-	-	3.333	2.727	2.222	1.765	1.429	1.154
32 "	32	-	-	-	2.909	2.370	1.882	1.524	1.231
34 "	34	-	-	-	3.091	2.519	2.000	1.619	1.308
36 "	36	-	-	-	3.273	2.667	2.118	1.714	1.385



ASTM F714 IPS HDPE PIPE

- Items highlighted in Blue indicates standard stocking items that are more readily available.
- Pressures are based on using water at 23°C (73°F).
- Average inside diameter calculated using nominal OD and minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary.
- Service factors should be utilized to compensate for the effect of liquids other than water, and for other temperatures.
- Other piping sizes or DR's may be available upon request.
- Standard Lengths:
40' for 2"-24"
50' for 26" and larger
Coils available for 3/4"-6"(8" by special order)

PE 4710 SIFFO HDPE Typical Primary Properties

Property	Unit	Test Procedure	Typical Value
Material Designation	—	PPI-TR4	PE 4710
Cell Classification	—	ASTM D3350	** 445574C
Density	g/cm3	ASTM D1505	0.959
Melt Index	g/10 minutes	ASTM D1238	<0.15
Flexural Modulus	psi	ASTM D790	> 120,000
Tensile Strengt	psi	ASTM D638	> 3,600
SCG (PENT)	Hours	ASTM F1473	>100
HDB @ 73.4o F (23o C)	psi	ASTM D2837	1600
HDB @ 140o F (60o C)	psi	ASTM D2837	1000
HDS (hydrostatic design stress) @ 73.4°F	psi	PPI-TR4	1000
HDS (hydrostatic design stress) @ 140°F	psi	PPI-TR4	630
Color;UV Stabilize	—	—	Black with minimum 2% carbon black
Brittleness Temperature	°F	ASTM D746	<-180