



THIS INFORMATION PROVIDED IS BASED ON ASTM GUIDELINES FOR WELDED PIPE SPECIFICATIONS AND ASTM REQUIREMENTS. ACTUAL PIPE AND MATERIAL TEST REPORTS PROVIDED WOULD MEET OR EXCEED THESE GUIDELINES.

TEST REPORTS WOULD PROVIDE SPECIFIC AND ACTUAL DETAILS CONCERNING THE MECHANICAL AND CHEMICAL PROPERTIES OF THE ACTUAL PIPE, AS WELL AS ADDITIONAL TESTS RESULTS REQUIRED BY ASTM.

### SPS Flow Steel ERW Black Pipe

Pipe Size Nominal	O.D.	I.D.	Weight / Foot	CRR	Rated
				Unthreaded	Pressure
1-1/4"	1.660	1.494	1.400	3.26	300
1-1/2"	1.900	1.710	1.830	4.01	300
2"	2.375	2.185	2.320	3.25	300
2-1/2"	2.875	2.709	2.480	1.21	300
3"	3.500	3.320	3.280	1.15	300
4"	4.500	4.298	4.750	1.14	200

### COMPOSITION AND PROPERTIES

Chemical and mechanical properties requirements are as prescribed by applicable ASTM standards edition January 2006.

#### Chemical Requirements, Percent (Product)

Specification	Grade	C	Mn	P	S	Other
		max	max	max	max	
ASTM A135/A795	A	0.250	0.950	0.035	0.035	- <sup>1</sup>

<sup>1</sup> Residual elements max: Cu-0.40, Ni-0.40, Cr-0.40, Mo-0.15 and V-.08. These live elements combined shall not exceed 1% per ASTM A53 Grade A Specification.

#### Mechanical Properties-Tensile Requirements

Specification	Grade	Strength-psi.			
		Yield		Tensile	
		Min	Max	Min	Max
ASTM A135/A795	A	30,000	-	48,000	-

NOTE: Elongation requirements vary with nominal area of test specimen and specified minimum tensile strength of the steel grade.

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