



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.

SCHEDULE 10 ** Black and Galvanized Steel ERW Pipe

Pipe Size Nominal	O.D.	I.D.	Weight / Foot	Test Pressure psi
1"	1.315	1.097	1.410	700
1-1/4"	1.660	1.442	1.810	1200
1-1/2"	1.900	1.682	2.090	1200
2"	2.375	2.157	2.640	2300
2-1/2"	2.875	2.635	3.530	2500
3"	3.500	3.260	4.340	1290
4"	4.500	4.260	5.620	1000
5"	5.563	5.295	7.780	1010
6"	6.625	6.357	9.300	1020
8" **	8.625	8.249	16.960	780

** 8" wall thickness is 0.188, not SCH10 or 0.148" wall thickness.

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 A53	A	0.250	0.950	0.05	0.045	-

1 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%.

Mechanical Properties-Tensile Requirements

Specification	Grade	Strength-psi.			
		Yield		Tensile	
		Min	Max	Min	Max
ASTM A53	A	30,000	-	48,000	-

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