



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 40 Black and Galvanized Steel ERW Pipe

Pipe Size Nominal	O.D.	I.D.	Weight / Foot	Test Pressure psi
1"	1.315	1.049	1.680	700
1-1/4"	1.660	1.380	2.270	1200
1-1/2"	1.900	1.610	2.720	1200
2"	2.375	2.067	3.660	2300
2-1/2"	2.875	2.469	5.800	2500
3"	3.500	3.068	7.580	2220
4"	4.500	4.026	10.800	1900
5"	5.563	5.047	14.630	1670
6"	6.625	6.065	18.990	1520
8"	8.625	7.981	28.580	1340

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
ASTM A53	A	max 0.250	max 0.950	max 0.05	max 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.