



Summary

A - 53 / A -53M - 05

Description: Standard Specification for Pipe Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.

General Information:

	Grade A	Grade B
Chemical Requirements (Max.) %:		
Carbon	0,25	0,3
Manganese	0,95	1,2
Phosphorus	0,05	0,05
Sulfur	0,045	0,045
Cooper	0,4	0,4
Nickel	0,4	0,4
Chromium	0,4	0,4
Molybdenum	0,15	0,15
Vanadium	0,08	0,08
Mechanical Properties (Min.)		
Yield (PSI / MPA)	30,000 / 205	35,000 / 240
Tensile (PSI / MPA)	48,000 / 330	60,000 / 415
Elongation (%) to 2 sq.in	33	27
Permissible Variations		
Mass	(+/-) 10%	(+/-) 10%
Thickness	(-) 12.5%	(-) 12.5%
Diameter	(+/-) 1%	(+/-) 1%

For more Information see ASTM Standard Manual Edition 2006
Pages 1 to 22.

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