



A-283 Grade C, Grade D

Overview

Applications for low / intermediate tensile strength requirements. 283 is designed for structural applications and storage tanks.

Chemical Requirements

*Elements represented in percentage

Element	Composition % Grade C	Composition % Grade D
Carbon, maxa	0.24	0.27
Manganese, max		
Heat analysis	0.90	0.90
Product analysis	0.98	0.98
Phosphorus, maxa	0.030	0.030
Sulfur, maxa	0.030	0.030

Tensile Requirements

	Grade C ksi (MPa)	Grade C ksi (MPa)
Tensile strength	55-75 (380-515)	60-80 (415-550)
Yield strength, min	30 (205)	33 (230)
Elongation in 8 in. or (200 mm), min, %B	22	20
Elongation in 2 in. or (50 mm), min, %	25	23