



MURRAY STEEL PRODUCTS

PLATE | PLATE PROCESSING | STRUCTURAL

## MATERIAL DATASHEET

Title: **Boiler Plate ASTM A 516 GD 60 - 70**

Material Grade: **ASTM A516 GD 60 & GD70**  
Material Condition(s): **Untreated / Normalised**  
Surface Finish: **As rolled**

Associated Standard: **BS 1501-161-430A**

### Description:

**A boiler - pressure vessel quality of steel plate for use in low to moderate services. It has improved notch toughness.**

Typical applications: **Boiler and Pressure vessel applications within oil & gas, petrochemical and power generation industries.**

Typical variations: **ASTM A516 Grade 60**  
**ASTM A516 Grade 70**

Conditions: **Various upon request**

### 1. STEELMAKING

	<u>C*</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cu</u>	<u>CEV*</u>
Min							
Max	0.2	0.28	1.5	0.008	0.015		

(\* differs with section thickness and grade variation)

Murray Plate: **0121 557 7251** / Murray Plate Processing: **0114 250 3602** / Murray Structural: **0161 866 0292**

[www.murraysteelproducts.com](http://www.murraysteelproducts.com)

## 2. TYPICAL MECHANICAL PROPERTIES

Test type			Tensile and hardness test (at room temperature)					Impact test (KV)			
			Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	Room Temp	-20°C	-50°C
Variation	Sample dia	Unit	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	%	%	HB	J	J	J
Grade 60		Min	220		415	21					
		Max			550						
Grade 70		Min	260		485	21					
		Max			620						