

Material Grade: **EN36C**

Associated Standard: **BS970: 1955**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>	<u>Ni</u>	<u>Mo</u>	<u>V*</u>
Min	0.12	0.10	0.30			0.60	3.00	0.10	
Max	0.18	0.35	0.60	0.05	0.05	1.10	3.75	0.25	0.05

(* denotes residual element)

2. TYPICAL MECHANICAL PROPERTIES

Test type	<u>Tensile and hardness test (at room temperature)</u>						<u>Impact test (Izod)</u>
	Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	Room Temp
Unit	<i>TSI</i>	<i>TSI</i>	<i>TSI</i>	%	%	<i>HB</i>	<i>Ft-lbs</i>
Capability test performed on 1.1/8" dia samples	Min		65	13			30
	Max						