

Material Grade: **EN14A**

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	0.15	0.10	1.30						
Max	0.25	0.35	1.70	0.06	0.06	0.25	0.40	0.15	0.05

(* denotes residual element)

2. TYPICAL MECHANICAL PROPERTIES

Test type			Tensile and hardness test (at room temperature)						Impact test (Izod)
			Yield (Re)	Room Temp	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	Room Temp
Variation	Sample dia	<i>Ft-lbs</i>	<i>TSI</i>	<i>TSI</i>	<i>TSI</i>	%	%	<i>HB</i>	<i>Ft-lbs</i>
Normalised	≤ 6"	Min	21		35	20		152	15
		Max						207	
Drawn	≤ 2"	Min			45	15			15
		Max							
Q+T 'R'	≤ 1.1/8"	Min	32		45	20		201	25
		Max						255	