

Material Grade: **590M17**

Associated Standard: **BS970**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>
Min	0.14	0.10	1.00			0.80
Max	0.20	0.35	1.30	0.040	0.035	1.10

2. TYPICAL MECHANICAL PROPERTIES

Test type	<u>Tensile and hardness test (at room temperature)</u>						<u>Impact test (KV)</u>
	Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	Room Temp
Unit	N/mm2	N/mm2	N/mm2	%	%	HB	J
Normalised	Min						
	Max					217	
Q+T capability test on 19mm sample	Min		930	10			16
	Max						