

Material Grade: **EN39B**

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>
Min	0.12	0.10				1.00	3.80	0.15
Max	0.18	0.35	0.50	0.040	0.035	1.40	4.50	0.35

2. TYPICAL MECHANICAL PROPERTIES

Test type		<u>Tensile and hardness test (at room temperature)</u>					<u>Impact test (Izod)</u>	
		<u>Yield (Re)</u>	<u>0.2 % proof</u>	<u>UTS (Rm)</u>	<u>Elong (A)</u>	<u>R of A (Z)</u>	<u>Hardness</u>	<u>Room Temp</u>
Unit		<i>TSI</i>	<i>TSI</i>	<i>TSI</i>	<i>%</i>	<i>%</i>	<i>HB</i>	<i>Izod</i>
Annealed	Min							
	Max						277	
Capability test for core strength	Min			85	12			25
	Max							