

Material Grade: **BD2**

Associated Standard: **BS 4659**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>	<u>Ni</u>	<u>V</u>	<u>Mo</u>	<u>Cu</u>	<u>Sn</u>
Min	1.40					11.50		0.25	0.70		
Max	1.60	0.60	0.60	0.035	0.035	12.50	0.40	1.00	1.20	0.20	0.05

2. TYPICAL MECHANICAL PROPERTIES

Test type		<u>Tensile and hardness test (at room temperature)</u>						
		Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	
Unit		N/mm ²	N/mm ²	N/mm ²	%	%	HB	HV
Annealed	Min							
	Max						255	
Heat treated	Min							735
	Max							