

## ELECTROLYTIC TOUGH PITCH COPPER

CHEMICAL COMPOSITION				
MATERIAL	NORMAL COMPOSITION	NEAREST RELEVANT COMPOSITION SPECIFICATION		
		BS: 2870	ISO	JIS
Electrolytic Tough Pitch H.C. Copper	Cu - 99.90% Min. Pb - 0.005% Max Bi - 0.001% Max O <sub>2</sub> - 0.060% Max	C 101	Cu ETP 1337	H 3100 C 1100

TYPICAL MECHANICAL PROPERTIES						
MATERIAL	TEMPER	TENSILE STRENGTH N/mm <sup>2</sup>	ELONGATION % ON 50 mm G.L.	VICKERS HARDNESS VPN	ISO	JIS
Electrolytic Tough Pitch H.C. Copper	'O'	210 Min	35 Min	55 Max	Cu ETP 1337	H 3100 C 1100
	M	210 Min	35 Min	65 Max		
	1/2 H	240 Min	10 Min	70 to 95		
	H	290 Min	-	90 Min		

- **'O'** : Annealed Condition
- **1/2Hv** : Half Hard
- **Hb** : Hard
- \* : Electric Conductivity at 20 Deg. Cel.100% IACS (For Cu ETP 'O' Temper)