

LG4 AS-1565 Grade C92410

SAND AND CHILL CASTINGS



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ABOUT

LG4 is a general purpose bronze for valve and pump parts.

EQUIVALENT TO

Britain	BS1490 LG4
USA	ASTM 924
Japan	
Germany	

NOMINAL CHEMICAL ANALYSIS

CHEMICAL COMPOSITION (Maximum % Unless Otherwise Listed)									OTHER ELEMENTS (*NOTES)
Copper Cu	Tin Sn	Zinc Zn	Nickel Ni	Lead Pb	Phos P	Alum Al	Iron Fe	Mang Mn	
REM	6.2- 8.0	2.0- 3.0	2.0	2.50- 3.50		0.005	0.20		*Ni max. incl. Co.

MECHANICAL PROPERTIES

TENSILE (MPa)		ELONGATION (5-65/50% MIN.)		.2% PROOF (MPa)		HARDNESS HB	
Sand Cast	Chill Cast	Sand Cast	Chill Cast	Sand Cast	Chill Cast	Sand Cast	Chill Cast
250	250	16	5	130	130	70	75

Compressive Strength 0.1% Permanent Set	
Specific Gravity	
Machinability Rating (Free Machining Brass=100)	
Max. Operating Temperature	
Stress Relieving Temperature	
Time at Temperature	

APPLICATIONS

- General Purpose Bearings
- Pump and Valve Parts