

LPB1 AS-1565 Grade C93100

SAND AND CHILL CASTINGS



James Coppel Lee

ABOUT

LPB1 is a general-purpose bronze for light duty bearings and bushes.

EQUIVALENT TO

Britain BS1490 LPB1
USA
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	6.5- 8.5	0.20	1.0	2.00- 3.00	0.30	0.005	0.25		*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
190	220	3	2	100	130	60	90

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