

MATERIAL DATA SHEET

LG2 BRONZE - GRADE PBLG2

Commonly known as LG2, 836, Leaded Gunmetal, BC6C and AS1565 83600

Typical Applications

Suitable for bearings with light loads at low to medium speeds; light duty gears with negligible loading; pump and valve components. Reasonable corrosion resistance in seawater. Not subject to dezincification.

Chemical Composition %

Element		Nominal
Copper	Cu	balance
Tin	Sn	4.0 - 6.0
Lead	Pb	4.0 - 6.0
Zinc	Zn	4.0 - 6.0
Nickel	Ni	2.0 max
Iron	Fe	0.30 max
Aluminium	Al	0.01 max
Antimony	Sb	0.20 max

Mechanical Properties

Ultimate Tensile Strength	245 MPa minimum
Elongation	15% minimum
Nominal Hardness	60 BHN
Machinability	84 % (free machining brass = 100%)

Similar Specifications

UNS C83600; BS1400-1985 LG2; ASTM 836; JIS H5111-BC6; DIN 1705-RG5; SAE 40

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