

**LG2 (Leaded Gunmetal)****Chemical Composition**

(% max., unless shown as range or min.)

	Cu	Sn	Zn	Pb	P	Ni	Fe
Min. /Max.	Bal	4-6	4.5-6.0	4-6	0.02	2	0.25
Nominal	85	5	4.9	5	-	-	0.1

Note: Cu + Sum of Named Elements, 99.5% min.

Applicable Specifications

Product	Specification
Cast	AS 83600 BS 1400 LG2 UNS C83600 SAE 40 BS EN CC491K

Common Fabrication Processes

Machining and Knurling

Fabrication Properties

Process	Rating
Machinability Rating	84

Thermal Properties

Treatment	Temp./Time - US	Temp./Time - SI
Stress Relieve	500	260
Maximum Work Temp	446	230

Mechanical Properties (measured at room temperature, 68 F (20 C))

Temper	Tensile Strength	Yield Strength (0.2% offset)	El	Brinell Hard.
	ksi MPa	ksi MPa	%	HB
Cast				
Continuous	39 270	15 100	13	65
Centrifugal	32 220	16 110	8	70

Physical Properties

	US Customary	Metric
Density	0.307 lb/in ³ at 68 F	8.8 gm/cm ³ @ 20 C
Specific Gravity	8.800	8.8

Tempers Most Commonly Used

Cast

Typical Uses**Industrial**

Pressure Tight Requirements, Valve Bodies and Pump Bodies