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## MATERIAL DATA SHEET

### 380 BRASS

**Commonly known as:-** 380; Section Brass

**Typical Applications:-** This alloy has been developed for production of sections and flats. To give improved extruding characteristics with a small addition of aluminium to improve the appearance of the finished product.

#### Chemical Composition %

To AS 2738.2

Element		Nominal
Copper	Cu	55.0 – 60.0
Lead	Pb	1.5 – 3.0
Iron	Fe	0.3 max
Aluminium	Al	0.1 – 0.6
Zinc	Zn	Balance

#### Mechanical Properties – Drawn (typical)

Ultimate Tensile Strength	450 MPa
Yield Strength	220 MPa
Elongation	25%
Typical Hardness	120 HV
Machinability	85% (free machining brass = 100%)

#### Similar Specifications

UNS C38010; AS 1567-380; BSI CZ121; ISO CuZn43Pb3

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