



Overview

This is a phosphor bronze typically used in 1st level systems in nuclear submarines.

Industry Specifications

- UNS C351000
- BS2874 PB102
- DEF Stan 02-838

Chemical Analysis

Typical analysis:

| | P | Mn | Si | Sn | Ni | Cu | Fe | - |
|-----|------|------|-----|-----|-----|-----|-----|---|
| Min | 0.02 | - | - | 4.0 | - | - | - | % |
| Max | 0.4 | 0.02 | 0.3 | 5.5 | 0.3 | BAL | 0.1 | % |

Mechanical Properties

Typical properties in the annealed condition:

| Tensile MPA min | Yield (0.2% offset), MPA Min | Elongation in 2" or 4D min% |
|--------------------|---------------------------------|-----------------------------|
| 380 | 320 | 16 |

All material we supply has full traceability with inspection certification in accordance with BS EN 10402 3.1. We can supply material with intent to BS EN 10402 3.2 inspection certification on request. We have onsite PCN and SNT Level II inspectors who can test material to your requirements. All information included in this sheet is intended as a guide only and is correct to the best of our knowledge.