

Material: JIS C 5341 B

Standard Specification for Copper Beryllium Alloy, Phosphor Bronze and Nickel Silver Rod, Bar and Wire

Group: Non Ferrous Copper Alloys

Sub Group: JIS C 5341 B Copper Beryllium Alloy, Phosphor Bronze and Nickel Silver Rod, Bar and Wire

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Rod, Bar and Wire

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---------------------------------|----------|
| Phosphorus | P % | 0.030 - 0.350 | As Raw or Solution Heat Treated | |
| Lead | Pb % | 0.800 - 1.500 | | |
| Tin | Sn % | 3.500 - 5.800 | | |
| Copper | Cu % | 99.500 max. | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 320 min. |
| - | - | - | Yield Strength in Mpa | - |
| - | - | - | Elongation in % | 10 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HV | 100 min. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CuSn5Pb1 | DIN | Germany | Rod |
| CuSn5Pb1 | AFNOR NF | France | Rod |
| CW458K | AFNOR NF | France | Rod |
| CuSn5Pb1 | SFS | Finland | Rod |
| CW458K | SFS | Finland | Rod |
| CuSn5Pb1 | BDS | Bulgaria | Rod |
| CW458K | BDS | Bulgaria | Rod |

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