

Material: ONORM CuSn7Zn4Pb7-C

Standard Specification for Copper and Copper Alloy Castings

Group: Non Ferrous Copper Alloys

Sub Group: ONORM CuSn7Zn4Pb7-C Copper and Copper Alloy Castings

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

Grade Belongs to the Industry: Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|-----------|-----------------|-------------------------|----------|
| Silicon | Si % | 0.010 max. | As Cast | |
| Lead | Pb % | 5.000 - 8.000 | | |
| Iron | Fe % | 0.200 max. | | |
| Tin | Sn % | 6.000 - 8.000 | | |
| Zinc | Zn % | 2.000 - 5.000 | | |
| Nickel | Ni % | 2.000 max. | | |
| Aluminium | Al % | 0.010 max. | | |
| Sulphur | S % | 0.100 max. | | |
| Antimony | Sb % | 0.300 max. | | |
| Nickel | Ni % | 2.000 max. | | |
| Cu + Ni | Cu% + Ni% | 81.000 - 85.000 | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 230 min. |
| - | - | - | Yield Strength in Mpa | 120 min. |
| - | - | - | Elongation in % | 12 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | 60 min. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CuSn7Zn4Pb7-C | DIN | Germany | Casting |
| CuSn7Zn4Pb7-C | ONORM | Australia | Casting |
| CuSn7Zn4Pb7-C | BDS | Bulgaria | Casting |
| CC493K | BDS | Bulgaria | Casting |
| CuSn7Zn4Pb7-C | SFS | Finland | Casting |
| CuSn7Zn4Pb7-C | CSN | Czech Republic | Casting |
| CuSn7Zn4Pb7-C | MSZ | Hungary | Casting |

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