



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 1982 CuSn7Zn4Pb7-C Standard Specification for Copper Tin Lead Alloy Castings

Group - Non Ferrous Copper Alloys

Sub Group - DIN EN 1982 CuSn7Zn4Pb7-C Copper Tin Lead 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. | | |
| 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 HBW | 60 min. |
| | | | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| CuSn7Zn4Pb7-C | ONORM | Australia | Casting |
| CC493K | 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 |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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