GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - BS EN 12167 CuZn40Mn2Fe1 I CW723R

## Standard Specification for Copper and Copper Alloys - Profiles and Rectangular Bar for General Purposes

**Group - Non-Ferrous Zinc Alloys**

**Sub Group - BS EN 12167 CuZn40Mn2Fe1 I CW723R Copper and Copper Alloys - Profiles and Rectangular Bar for General Purposes**

**Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries**

**Grade Belongs to the Industry - Bars**

| Chemical Composition | | |
|---|---|---|
| Aluminium | Al % | 0.100 max. |
| Iron | Fe % | 0.500 - 1.500 |
| Manganese | Mn % | 1.000 - 2.000 |
| Nickel | Ni % | 0.600 max. |
| Lead | Pb % | 0.500 max. |
| Silicon | Si % | 0.100 max. |
| Tin | Sn % | 0.300 max. |
| Other | Ot % | 0.400 max. |
| Copper | Cu % | 56.500 - 58.500 |
| Zinc | Zn % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As-Raw |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 470 min. |
| Proof Strength in Mpa | 320 min. |
| Elongation in % | 8 min. |
| Reduction of Area in % | - |
| Hardness in HB | - |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| 12164 CuZn40Mn2Fe1 | EN | European Union | Rods |
| 12164 CW723R | EN | European Union | Rods |
| 12449 CuZn40Mn2Fe1 | EN | European Union | Tubing |
| 12449 CW723R | EN | European Union | Tubing |
| 12165 CW722R | EN | European Union | Forging |
| 12165 CuZn40Mn1Pb1FeSn | EN | European Union | Forging |
| 12164 CW722R | EN | European Union | Rod |

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, 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.