GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 CuZn39Mn1AlPbSi I CW718R

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

Group - Non-Ferrous Zinc Alloys

Sub Group - BS EN 12167 CuZn39Mn1AlPbSi I CW718R 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 %	0.300 - 1.300
Iron	Fe %	0.500 max.
Manganese	Mn %	0.800 - 1.800
Nickel	Ni %	0.500 max.
Lead	Pb %	0.200 - 0.800
Silicon	Si %	0.200 - 0.800
Tin	Sn %	0.500 max.
Other	Ot %	0.300 max.
Copper	Cu %	57.000 - 59.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	490 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**
12449 CuZn39Mn1AlPbSi	EN	European Union	Tubing
12449 CW718R	EN	European Union	Tubing
12165 CuZn40Mn1Pb1	EN	European Union	Forging
12165 CW720R	EN	European Union	Forging
12166 CuZn40Mn1Pb1	EN	European Union	Wire
12166 CW720R	EN	European Union	Wire
12168 CW720R	EN	European Union	Rods

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.