GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 CuZn40Pb2Sn I CW619N

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

Group - Non-Ferrous Zinc Alloys

Sub Group - BS EN 12167 CuZn40Pb2Sn I CW619N 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 %	0.400 max.
Nickel	Ni %	0.300 max.
Lead	Pb %	1.600 - 2.500
Tin	Sn %	0.200 - 0.500
Other	Ot %	0.200 max.
Copper	Cu %	57.000 - 59.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	480 min.
Proof Strength in Mpa	330 min.
Elongation in %	5 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**
C37700	UNS	USA	Bars
12165 CuZn40Pb2	EN	European Union	Forging
12165 CW617N	EN	European Union	Forging
12166 CuZn40Pb2	EN	European Union	Wire
12166 CW617N	EN	European Union	Wire
12449 CuZn40Pb2	EN	European Union	Tubing
12449 CW617N	EN	European Union	Tubing

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.