GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 CuZn36 I CW507L

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

Group - Non-Ferrous Zinc Alloys

Sub Group - BS EN 12167 CuZn36 I CW507L 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 %	0.020 max.
Iron	Fe %	0.050 max.
Nickel	Ni %	0.300 max.
Lead	Pb %	0.050 max.
Tin	Sn %	0.100 max.
Other	Ot %	0.100 max.
Copper	Cu %	63.500 - 65.500
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	400 min.
Proof Strength in Mpa	280 min.
Elongation in %	10 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**
C27000	UNS	USA	Bars
12163 CuZn36	EN	European Union	Rods
12163 CW507L	EN	European Union	Rods
12166 CuZn36	EN	European Union	Wire
12166 CW507L	EN	European Union	Wire
1652 CuZn36	EN	European Union	Plate, Sheet and Strip
1652 CW507L	EN	European Union	Plate, Sheet and Strip

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.