GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 CuAl6Si2Fe I CW301G

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

Group - Non-Ferrous Copper Alloys

Sub Group - BS EN 12167 CuAl6Si2Fe I CW301G 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 %	6.000 - 6.400
Iron	Fe %	0.500 - 0.700
Manganese	Mn %	0.100 max.
Nickel	Ni %	0.100 max.
Lead	Pb %	0.050 max.
Silicon	Si %	2.000 - 2.400
Tin	Sn %	0.100 max.
Zinc	Zn %	0.400 max.
Other	Ot %	0.200 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Proof Strength in Mpa	300 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**
C64200	UNS	USA	Bars
2874 CA 107	BS	British	Rods
B 105 C64200	ASTM	USA	Rod, Bars and Shapes
B 124 C64200	ASTM	USA	Forging, Rod, Bar and Shapes
B 283 C64200	ASTM	USA	Forging
F 468 C64200	ASTM	USA	Wire and Rods
SB-283 C64200	ASME	USA	Forging

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.