GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 Cu-DLP I CW023A

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

Group - Non-Ferrous Copper Alloys

Sub Group - BS EN 12167 Cu-DLP I CW023A 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		
Bismuth	Bi %	0.0005 max.
Phosphorus	P %	0.005 - 0.013
Lead	Pb %	0.005 max.
Copper	Cu %	99.900 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	280 min.
Proof Strength in Mpa	220 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C12000	UNS	USA	Bars
SB-111 UNS C12000	ASME	USA	Tubing
SB-152 UNS C12000	ASME	USA	Plate, Sheet, Strip and Rolled Bar
SB-187 UNS C12000	ASTM	USA	Rods, Bars and Shapes
B 187 UNS C12000	ASTM	USA	Rods, Bars and Shapes
B 111 UNS C12000	ASTM	USA	Tubing
B 152 UNS C12000	ASTM	USA	Plate, Sheet, Strip and Rolled Bar

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.