GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 CuCr1 I CW105C

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

Group - Non-Ferrous Copper Alloys

Sub Group - BS EN 12167 CuCr1 I CW105C 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		
Chromium	Cr %	0.500 - 1.200
Iron	Fe %	0.080 max.
Silicon	Si %	0.100 max.
Other	Ot %	0.200 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	420 min.
Proof Strength in Mpa	350 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**
C18200	UNS	USA	Bars
12163 CuCr1Zr	EN	European Union	Rods
12163 CW106C	EN	European Union	Rods
12165 CW106C	EN	European Union	Forging
12165 CuCr1Zr	EN	European Union	Forging
12166 CuCr1Zr	EN	European Union	Wire
12166 CW106C	EN	European Union	Wire

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.