GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 CuAl10Fe1 I CW305G

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

Group - Non-Ferrous Copper Alloys

Sub Group - BS EN 12167 CuAl10Fe1 I CW305G 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 %	9.000 - 10.000
Iron	Fe %	0.500 - 1.500
Manganese	Mn %	0.500 max.
Nickel	Ni %	1.000 max.
Lead	Pb %	0.020 max.
Silicon	Si %	0.200 max.
Tin	Sn %	0.100 max.
Zinc	Zn %	0.500 max.
Other	Ot %	0.200 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Proof Strength in Mpa	450 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**
12163 CuAl10Fe1	EN	European Union	Rods
12163 CW305G	EN	European Union	Rods
12165 CuAl10Fe1	EN	European Union	Forging
12165 CW305G	EN	European Union	Forging
12420 CuAl10Fe1	EN	European Union	Forging
12420 CW305G	EN	European Union	Forging
C61800	UNS	USA	Bars

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.