GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 12167 CuNi10Zn42Pb2 I CW402J

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

Group - Non-Ferrous Zinc Alloys

Sub Group - BS EN 12167 CuNi10Zn42Pb2 I CW402J 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		
Iron	Fe %	0.300 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	9.000 - 11.000
Lead	Pb %	1.000 - 2.500
Tin	Sn %	0.200 max.
Other	Ot %	0.200 max.
Copper	Cu %	45.000 - 48.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	580 min.
Proof Strength in Mpa	400 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**
C79300	UNS	USA	Bars
2874 NS101	BS	British	Rods
12164 CW406J	EN	European Union	Rod
12164 CuNi12Zn30Pb1	EN	European Union	Rod
12166 CuNi12Zn30Pb1	EN	European Union	Wire
12166 CW406J	EN	European Union	Wire
12164 CW406J	EN	European Union	Rods

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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