



## Material - AFNOR NF CW102C

**Standard Specification for Copper and Copper Alloy Rod for Free Machining Purpose**

**Group - Non Ferrous Copper Alloys**

**Sub Group - AFNOR NF CW102C Copper and Copper Alloy Rod for Free Machining Purpose**

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries**

**Grade Belongs to the Industry - Rod**

Chemical Composition			Heat Treatment	
Cobalt	Co %	0.300 max.	As Raw or Solution Heat Treated	
Lead	Pb %	0.200 - 0.600		
Iron	Fe %	0.200 max.		
Beryllium	Be %	1.800 - 2.000		
Nickel	Ni %	0.300 max.		
Other	Ot %	0.500 max.		
Copper	Cu %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   1150 min. Yield Strength in Mpa   1000 min. Elongation in %   2 min. Reduction of Area in %   - Hardness in BHN   340 - 430 Impact in Joule   -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuBe2Pb	DIN	Germany	Rod
CW102C	BS	British	Rod
CuBe2Pb	BS	British	Rod
CW102C	UNE	Spain	Rod
CuBe2Pb	UNE	Spain	Rod
CW102C	NBN	Belgium	Rod
CuBe2Pb	NBN	Belgium	Rod

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

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