



## Material - UNE CuBe2Pb

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

**Group - Non Ferrous Copper Alloys**

**Sub Group - UNE CuBe2Pb 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      -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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
CW102C	NBN	Belgium	Rod
CuBe2Pb	NBN	Belgium	Rod
CW102C	AFNOR NF	France	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)**

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.