



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - PN CW721R

Standard Specification for Copper and Copper Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - PN CW721R Copper and Copper Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.300 - 1.300	As Raw or Solution Heat Treated	
Iron	Fe %	0.200 - 1.200		
Manganese	Mn %	0.800 - 1.800		
Nickel	Ni %	0.300 max.		
Lead	Pb %	0.800 - 1.600		
Tin	Sn %	0.200 - 1.000		
Other	Ot %	0.300 max.		
Copper	Cu %	57.000 - 59.000		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	440 min.
-	-	-	Yield Strength in Mpa	180 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	110 - 150
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn40Mn1Pb1AlFeSn	DIN	Germany	Rod
CuZn40Mn1Pb1AlFeSn	BS	British	Rod
CW721R	BS	British	Rod
CuZn40Mn1Pb1AlFeSn	PN	Poland	Rod
CuZn40Mn1Pb1AlFeSn	SS	Sweden	Rod
CW721R	SS	Sweden	Rod
CW721R	DIN	Germany	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

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.

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