GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF CW456K

Standard Specification for Copper-Tin Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - AFNOR NF CW456K Copper-Tin Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition		
Iron	Fe %	0.100 max.
Nickel	Ni %	0.200 max.
Phosphorus	P %	0.010 - 0.400
Lead	Pb %	3.500 - 4.500
Tin	Sn %	3.500 - 4.500
Tellurium	Te %	0.200 max.
Zinc	Zn %	3.500 - 4.500
Other	Ot %	0.200 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	447 min.
Yield Strength in Mpa	350 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	115 - 210
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CuSn4Pb4Zn4	DIN	Germany	Rod
C 5441 B	JIS	Japan	Rod, Bar and Wire
CuSn4Pb4Zn4	NBN	Belgium	Rod
CW456K	NBN	Belgium	Rod
CuSn4Pb4Zn4	AFNOR NF	France	Rod
CuSn4Pb4Zn4	NS	Norway	Rod
CW456K	NS	Norway	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