GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SS CW457K

Standard Specification for Copper-Tin Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - SS CW457K 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 %	0.100 - 0.400
Tellurium	Te %	0.500 - 1.000
Tin	Sn %	4.000 - 5.000
Zinc	Zn %	0.300 max.
Other	Ot %	0.200 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	380 min.
Yield Strength in Mpa	300 - 400
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	160 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CuSn4Te1P	DIN	Germany	Rod
CuSn4Te1P	BS	British	Rod
CW457K	BS	British	Rod
CuSn4Te1P	SS	Sweden	Rod
CuSn4Te1P	PN	Poland	Rod
CW457K	PN	Poland	Rod
CuSn4Te1P	UNE	Spain	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