



Material - BS EN 1982 CuMn11Al8Fe3Ni3-C (CC212E)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Magnesium	Mg %	0.050 max.	As-Cast	
Lead	Pb %	0.050 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.500 max.		
Zinc	Zn %	1.000 max.		
Nickel	Ni %	1.500 - 4.500		
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	8.000 - 15.000		
Aluminium	Al %	7.000 - 9.000		
Copper	Cu %	68.000 - 77.000		
-	-	-	Mechanical Properties Tensile Strength in Mpa 630 min. Yield Strength in Mpa 275 min. Elongation in % 18 min. Reduction of Area in % - Hardness in HBW 150 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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