



Material - NS ZnAl4Cu1

Standard Specification For Zinc Alloy Ingots

Group - Non-Ferrous Zinc Alloys

Sub Group - NS ZnAl4Cu1 Zinc Alloy Ingots

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

Grade Belongs to the Industry - Ingot

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.800 - 4.200	As-Cast	
Copper	Cu %	0.700 - 1.100		
Magnesium	Mg %	0.035 - 0.060		
Lead	Pb %	0.003 max.		
Cadmium	Cd %	0.003 max.		
Tin	Sn %	0.001 max.		
Iron	Fe %	0.020 max.		
Nickel	Ni %	0.001 max.		
Silicon	Si %	0.020 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 330 min. Yield Strength in Mpa 250 min. Elongation in % 5 min. Reduction of Area in % - Hardness in HB 92 min. Impact in Joule 58 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP5	DIN	Germany	Casting
Alloy B	BS	British	Casting
G-ZnAl4Cu1	UNI	Italy	Ingot
ZnAl4Cu1	UNE	Spain	Ingot
ZnAl4Cu1	SS	Sweden	Ingot
B 240 AC41A	ASTM	USA	Ingot and Casting
2.2141	DIN	Germany	Ingot and Casting

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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