

Material: UNI G-ZnAl4Cu1

Standard Specification For Zinc Alloy Ingots

Group: Non-Ferrous Zinc Alloys

Sub Group: UNI G-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 %	3.900 - 4.300	As-Cast	
Copper	Cu %	0.750 - 1.250		
Magnesium	Mg %	0.030 - 0.060		
Lead	Pb %	0.005 max.		
Cadmium	Cd %	0.005 max.		
Tin	Sn %	0.001 max.		
Iron	Fe %	0.100 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
ZnAl4Cu1	UNE	Spain	Ingot
ZnAl4Cu1	NS	Norway	Ingot
ZnAl4Cu1	SS	Sweden	Ingot
B 240 AC41A	ASTM	USA	Ingot and Casting
2.2141	DIN	Germany	Ingot and Casting

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