

Material: DIN GB-ZnAl4Cu1

Standard Specification For Zinc and Zinc Alloy Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: DIN GB-ZnAl4Cu1 Zinc and Zinc Alloy Castings

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

Grade Belongs to the Industry: Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.700 - 4.100	As-Cast	
Copper	Cu %	0.500 - 1.000		
Magnesium	Mg %	0.030 - 0.060		
Lead	Pb %	0.003 max.		
Cadmium	Cd %	0.003 max.		
Tin	Sn %	0.001 max.		
Iron	Fe %	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	NS	Norway	Ingot
ZnAl4Cu1	SS	Sweden	Ingot
B 240 AC41A	ASTM	USA	Ingot and Casting

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