

Material: BS Alloy A

Standard Specification For Zinc Alloy Die Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: BS Alloy A Casting Zinc Alloy Die Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.700 - 4.300	As-Cast	
Copper	Cu %	0.100 max.		
Magnesium	Mg %	0.030 - 0.060		
Lead	Pb %	0.005 max.		
Cadmium	Cd %	0.005 max.		
Tin	Sn %	0.002 max.		
Iron	Fe %	0.100 max.		
Nickel	Ni %	0.020 max.		
Manganese	Mn %	0.010 max.		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	280 min.
-	-	-	Yield Strength in Mpa	200 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	83 min.
-	-	-	Impact in Joule	57 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP3	DIN	Germany	Casting
ZnAl4	UNE	Spain	Ingot and Casting
G-ZnAl4	UNI	Italy	Ingot
ZP0400	EN	European Union	Casting
B 240 AG40A	ASTM	USA	Casting
ZP0400	DIN	Germany	Casting
ZP3	AFNOR NF	France	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com