

Material - ASTM B86 ZA12

Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings

Group - Non-Ferrous Zinc Alloy

Sub Group - ASTM B86 Zinc and Zinc-Aluminum (ZA) Alloy Foundry and 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 %	10.500 - 11.500	As-Cast or Aging	
Cadmium	Cd %	0.006 max.		
Chromium	Cr %	0.010 max.		
Copper	Cu %	0.500 - 1.200		
Iron	Fe %	0.075 min.		
Magnesium	Mg %	0.010 - 0.030		
Manganese	Mn %	0.010 max.		
Nickel	Ni %	0.010 max.		
Lead	Pb %	0.006 max.		
Tin	Sn %	0.003 max.		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	276 - 404
			Yield Strength in Mpa	211 - 320
			Elongation in %	1 - 7
			Reduction of Area in %	-
			Hardness in HB	89 - 100
			Impact in Joule	25 - 29 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA-12	ANSI/AA	USA	Casting
B240 ZA12	ASTM	USA	Ingot and Casting
ZP1110	ISO	International	Casting
ZP12	ISO	International	Casting
Z35631	UNS	USA	Casting
Z35633	UNS	USA	Casting
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For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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