

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	
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-	-	-		
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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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