

Material: ASTM B86 ZA27

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 %	25.000 - 28.000	As-Cast or Aging	
Cadmium	Cd %	0.006 max.		
Chromium	Cr %	0.010 max.		
Copper	Cu %	2.000 - 2.500		
Iron	Fe %	0.075 min.		
Magnesium	Mg %	0.010 - 0.020		
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 310 - 441 Yield Strength in Mpa 257 - 376 Elongation in % 1 - 11 Reduction of Area in % - Hardness in HB 94 - 119 Impact in Joule 12.8 - 58 @RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA-27	ANSI/AA	USA	Casting
B240 ZA27	ASTM	USA	Ingot and Casting
Z35841	UNS	USA	Casting
ZP2720	ISO	International	Casting
ZP27	ISO	International	Casting
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