



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

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
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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