



Material - ANSI/AA ZA-27

Specification Standards for Die Castings

Group - Non-Ferrous Zinc Alloy

Sub Group - ANSI/AA for 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	
Magnesium	Mg %	0.010 - 0.020		
Copper	Cu %	2.000 - 2.500		
Iron	Fe %	0.075 max.		
Lead	Pb %	0.006 max.		
Cadmium	Cd %	0.006 max.		
Tin	Sn %	0.003 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	426 min.
-	-	-	Yield Strength in Mpa	359 - 379
-	-	-	Elongation in %	2.000 - 3.500
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	116 - 122
-	-	-	Impact in Joule	9 - 16

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B86 ZA27	ASTM	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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