



Material - SAE J 468 903

Specification Standards for Zinc alloy ingot and die casting compositions

Group - Non-Ferrous Zinc Alloy

Sub Group - SAE J 468 Zinc alloy ingot and die casting compositions

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.500 - 4.300	As-Cast or Aging	
Cadmium	Cd %	0.004 max.		
Copper	Cu %	0.250 max.		
Iron	Fe %	0.100 max.		
Magnesium	Mg %	0.020 - 0.050		
Lead	Pb %	0.005 max.		
Tin	Sn %	0.005 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	285 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	82 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 2	ANSI/AA	USA	Casting
ZDC 2	JIS	Japan	Casting
ZDC 2	KS	Korea	Casting
B240 AG40A	ASTM	USA	Casting
B240 Zamak 3	ASTM	USA	Casting
GD-ZnAl4	DIN	Germany	Casting
ZL3	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.