

Material - ASTM B86 Alloy 7

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 %	3.700 - 4.300	As-Cast or Aging	
Cadmium	Cd %	0.002 max.		
Chromium	Cr %	0.020 max.		
Copper	Cu %	0.100 max.		
Iron	Fe %	0.050 max.		
Magnesium	Mg %	0.005 - 0.020		
Manganese	Mn %	0.060 max.		
Nickel	Ni %	0.005 - 0.020		
Lead	Pb %	0.003 max.		
Silicon	Si %	0.035 max.		
Tin	Sn %	0.001 max.	Mechanical Properties	
Titanium	Ti %	0.001 max.	Tensile Strength in Mpa	283 min.
Zinc	Zn %	Balance	Yield Strength in Mpa	221 min.
-	-	-	Elongation in %	13 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	80 min.
-	-	-	Impact in Joule	58 min. @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 7	ANSI/AA	USA	Casting
Z33523	UNS	USA	Casting
Z33527	UNS	USA	Casting
B86 Zamak 7	ASTM	USA	Casting
B86 AG40B	ASTM	USA	Casting
B240 AG40B	ASTM	USA	Ingot and Casting
B240 Zamak 7	ASTM	USA	Ingot and Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.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.