

Material: UNS Z33527

Standard Specification for Zinc Alloy 7 (AG40B) Die Castings

Group: Non-Ferrous Zinc Alloy

Sub Group: UNS Zinc Alloy 7 (AG40B) 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.		
Copper	Cu %	0.250 max.		
Iron	Fe %	0.050 max.		
Magnesium	Mg %	0.005 - 0.020		
Nickel	Ni %	0.005 - 0.020		
Lead	Pb %	0.003 max.		
Tin	Sn %	0.001 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 283 min. 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	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 7	ANSI/AA	USA	Casting
Z33523	UNS	USA	Casting
B86 Alloy 7	ASTM	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

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Customer Care: +91-99090 45075 Email: info@icastllp.com