



Material - UNS Z33531

Standard Specification for Zinc Die Casting Alloy 5 (AC41A) Ingot

Group - Non-Ferrous Zinc Alloy

Sub Group - UNS for Zinc Die Casting Alloy 5 (AC41A) Ingot

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 %	0.750 - 1.250		
Iron	Fe %	0.100 max.		
Magnesium	Mg %	0.030 - 0.080		
Lead	Pb %	0.005 max.		
Tin	Sn %	0.003 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	330 min.
-	-	-	Yield Strength in Mpa	250 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	92 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 5	ANSI/AA	USA	Casting
ZP5	ISO	International	Casting
B86 Alloy 5	ASTM	USA	Casting
B86 Zamak 5	ASTM	USA	Casting
B86 AC41A	ASTM	USA	Casting
B240 AC41A	ASTM	USA	Ingot and Casting
B240 Zamak 5	ASTM	USA	Ingot and 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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