



## Material - UNS Z35633

### Standard Specification for Zinc-Aluminum ZA-12 Alloy Casting

Group - Non-Ferrous Zinc Alloy

Sub Group - UNS Zinc-Aluminum ZA-12 Alloy Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	10.500 - 11.500	As-Cast or Aging	
Cadmium	Cd %	0.004 max.		
Copper	Cu %	0.500 - 1.200		
Iron	Fe %	0.075 max.		
Magnesium	Mg %	0.015 - 0.030		
Lead	Pb %	0.006 max.		
Tin	Sn %	0.003 max.		
Zinc	Zn %	Balance		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	400 min.
-	-	-	Yield Strength in Mpa	300 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 min.
-	-	-	Impact in Joule	30 min. @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA-12	ANSI/AA	USA	Casting
B86 ZA12	ASTM	USA	Casting
B240 ZA12	ASTM	USA	Ingot and Casting
ZP1110	ISO	International	Casting
ZP12	ISO	International	Casting
Z35631	UNS	USA	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](mailto:marketing@gravitycastindia.com)**

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