

Material: ASTM B240 ZA12

Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings

Group: Non-Ferrous Zinc Alloy

Sub Group: ASTM B240 Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings

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

Grade Belongs to the Industry: Ingot and Casting

Chemical Composition		
Aluminium	Al %	10.800 - 11.500
Cadmium	Cd %	0.005 max.
Copper	Cu %	0.500 - 1.200
Iron	Fe %	0.050 max.
Magnesium	Mg %	0.020 - 0.030
Lead	Pb %	0.005 max.
Tin	Sn %	0.002 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Aging	

Mechanical Properties	
Tensile Strength in Mpa	276 - 404
Yield Strength in Mpa	211 - 320
Elongation in %	1 - 7
Reduction of Area in %	-
Hardness in HB	89 - 100
Impact in Joule	25 - 29 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZA-12	ANSI/AA	USA	Casting
B86 ZA12	ASTM	USA	Casting
ZP1110	ISO	International	Casting
ZP12	ISO	International	Casting
Z35631	UNS	USA	Casting
Z35633	UNS	USA	Casting
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