

# Material: ASTM B 240 ZA12

## Standard Specification for Zinc and Zinc Alloys Ingot and Die Castings

**Group:** Non-Ferrous Zinc Alloys

**Sub Group:** ASTM B 240 ZA12 Zinc and Zinc Alloys Ingot 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
Copper	Cu %	0.500 - 1.200
Magnesium	Mg %	0.020 - 0.030
Lead	Pb %	0.005 max.
Cadmium	Cd %	0.005 max.
Tin	Sn %	0.002 max.
Iron	Fe %	0.050 max.
Nickel	Ni %	0.010 max.
Chromium	Cr %	0.010 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ZP12	DIN	Germany	Casting
ZnAl11Cu1	UNE	Spain	Ingot
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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