

## Material: ASTM B403 AZ92A

### Standard Specification for Magnesium-Alloy Investment Castings

**Group:** Non-Ferrous Magnesium Alloy

**Sub Group:** ASTM B403 Magnesium-Alloy Investment Castings

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

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	8.300 - 9.700	As-Cast or Solution Treated or Fully Treated	
Copper	Cu %	0.100 max.		
Manganese	Mn %	0.350 max.		
Nickel	Ni %	0.010 max.		
Other	Ot%	0.300 max.		
Silicon	Si %	0.300 max.		
Zinc	Zn %	1.600 - 2.400		
Magnesium	Mg %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 138 - 234 Yield Strength in Mpa 69 - 124 Elongation in % 6 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Mg-Al9Zn2	ISO	International	Bar and Wire
MC3	JIS	Japan	Casting
B80 AZ92A	ASTM	USA	Casting
B93 AZ92A	ASTM	USA	Casting
B199 AZ92A	ASTM	USA	Casting
B275 AZ92A	ASTM	USA	Casting
B951 AZ92A	ASTM	USA	Casting

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)