



Material - ISO 121 Mg-Al9Zn2

Standard Specification for Magnesium-Aluminium-Zinc Alloy Casting

Group - Non-Ferrous Magnesium-Aluminium-Zinc Alloy

Sub Group - ISO 121 Magnesium-Aluminium-Zinc Alloy Casting

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

Grade Belongs to the Industry - Bar and Wire

Chemical Composition			Heat Treatment	
Zinc	Zn %	1.500 - 2.500	As-Cast or Solution Treated or Fully Treated	
Manganese	Mn %	0.100 - 0.500		
Silicon	Si %	0.300 max.		
Iron	Fe %	0.050 max.		
Copper	Cu %	0.200 max.		
Nickel	Ni %	0.010 max.		
Aluminium	Al %	8.000 - 10.000		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	140 min.
-	-	-	Yield Strength in Mpa	75 min.
-	-	-	Elongation in %	1 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
MC3	JIS	Japan	Casting
B80 AZ92A	ASTM	USA	Casting
B93 AZ92A	ASTM	USA	Casting
B199 AZ92A	ASTM	USA	Casting
B275 AZ92A	ASTM	USA	Casting
B403 AZ92A	ASTM	USA	Casting
B951 AZ92A	ASTM	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

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