

Material - ASTM B951 M10413

Standard Specification for Codification of Unalloyed Magnesium and Magnesium-Alloys, Cast and Wrought

Group - Non-Ferrous Magnesium Alloy

Sub Group - ASTM B951 Codification of Unalloyed Magnesium and Magnesium-Alloys, Cast and Wrought

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.700 - 4.800	As-Cast	
Beryllium	Be %	0.0005 - 0.0015		
Copper	Cu %	0.015 max.		
Iron	Fe %	0.0035 max.		
Manganese	Mn %	0.350 - 0.600		
Nickel	Ni %	0.001 max.		
Other	Ot%	0.010 max.		
Silicon	Si %	0.600 - 1.400		
Zinc	Zn %	0.100 max.	Mechanical Properties Tensile Strength in Mpa 170 - 230 Yield Strength in Mpa 110 - 130 Elongation in % 4 - 14 Reduction of Area in % - Hardness in HB 50 - 70 Impact in Joule -	
Magnesium	Mg %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AS41B	ANSI/AA	USA	Casting
B93 AS41B	ASTM	USA	Ingot and Casting
MD-AS41B	JIS	Japan	Casting
M10413	UNS	USA	Ingot and Casting
MD3B	JIS	Japan	Casting
MD3B	KS	Korea	Casting
MC21310	KS	Korea	Ingot and Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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