



Material - ONORM EN 1753 EN-MBMgAl5Mn

Standard Specification for Magnesium Alloy Ingots and Castings

Group - Non-Ferrous Magnesium Alloy

Sub Group - ONORM EN 1753 Magnesium Alloy Ingots and Castings

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	4.500 - 5.300	As-Cast	
Copper	Cu %	0.008 max.		
Iron	Fe %	0.004 max.		
Manganese	Mn %	0.270 max.		
Nickel	Ni %	0.001 max.		
Other	Ot%	0.010 max.		
Silicon	Si %	0.050 max.		
Zinc	Zn %	0.200 max.		
Magnesium	Mg %	Balance	Mechanical Properties Tensile Strength in Mpa 200 min. Yield Strength in Mpa 110 min. Elongation in % 10 min. Reduction of Area in % - Hardness in HB 58 min. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AM50A	ANSI/AA	USA	Casting
EN-MB21220	ONORM	Australia	Ingot and Casting
EN-MB21220	CSN	Czech Republic	Ingot and Casting
EN-MBMgAl5Mn	CSN	Czech Republic	Ingot and Casting
B94 AM50A	ASTM	USA	Casting
B275 AM50A	ASTM	USA	Casting
B951 AM50A	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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