

Material: CSN EN 1753 EN-MBMgAl5Mn

Standard Specification for Magnesium Alloy Ingots and Castings

Group: Non-Ferrous Magnesium Alloy

Sub Group: CSN 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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AM50A	ANSI/AA	USA	Casting
EN-MB21220	ONORM	Australia	Ingot and Casting
EN-MBMgAl5Mn	ONORM	Australia	Ingot and Casting
EN-MB21220	CSN	Czech Republic	Ingot and Casting
B94 AM50A	ASTM	USA	Casting
B275 AM50A	ASTM	USA	Casting
B951 AM50A	ASTM	USA	Casting

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