



## Material - PN EN-1753 MC21121

**Standard Specification for Magnesium and Magnesium Alloys - Ingots and Castings**

**Group - Non-Ferrous Magnesium Alloy**

**Sub Group - PN EN-1753 Magnesium and Magnesium Alloys - 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 %	8.000 - 10.000	As-Cast or Solution Treated or Fully Treated	
Copper	Cu %	0.200 max.		
Iron	Fe %	0.030 max.		
Nickel	Ni %	0.010 max.		
Other	Ot%	0.050 max.		
Silicon	Si %	0.300 max.		
Zinc	Zn %	0.300 - 1.000		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	140 - 235
-	-	-	Yield Strength in Mpa	75 - 110
-	-	-	Elongation in %	1 - 6
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Mg-Al9Zn	ISO	International	Bar and Wire
MgAl9Zn Class3	JIS	Japan	Casting
EN-MC21121	ONORM	Australia	Ingot and Casting
EN-MC21121	DIN	Germany	Ingot and Casting
EN-MC21121	UNI	Italy	Ingot and Casting
EN-MC21121	CSN	Czech Republic	Ingot and Casting
EN-MC21121	MSZ	Hungary	Ingot and 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](mailto:marketing@gravitycastindia.com)**

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