

Material: BS 2970 MAG 7

Standard Specification for Magnesium and Magnesium Alloy Ingots and Castings

Group: Non-Ferrous Magnesium Alloy

Sub Group: BS 2970 Magnesium and 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 %	7.500 - 9.000	As-Cast or Solution Treated	
Copper	Cu %	0.350 max.		
Iron	Fe %	0.050 max.		
Manganese	Mn %	0.150 - 0.800		
Nickel	Ni %	0.020 max.		
Silicon	Si %	0.400 max.		
Zinc	Zn %	0.300 - 1.500		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 125 - 215 Yield Strength in Mpa 80 - 110 Elongation in % 2 - 5 Reduction of Area in % - Hardness in HB 50 - 80 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
MgAl8Zn1	ISO	International	Bar and Wire
MgAl8Zn1 Class 2A	JIS	Japan	Casting
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