Material: NBN EN AW-Al Cu4Mg1

Standard Specification For Aluminium Alloy

Group: *Non-Ferrous Aluminium Alloys*

Sub Group: *NBN EN AW-Al Cu4Mg1 Aluminium Alloy*

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

Grade Belongs to the Industry: *Bar and Tube*

Chemical Composition		
Silicon	Si %	0.500 max.
Chromium	Cr %	0.100 max.
Manganese	Mn %	0.300 - 0.900
Magnesium	Mg %	1.200 - 1.800
Copper	Cu %	3.800 - 4.900
Iron	Fe %	0.500 max.
Zinc	Zn %	0.250 max.
Titanium	Ti %	0.150 max.
Ti + Zr	Ti % + Zr%	0.200 max.
Other	Ot %	1.000 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Temper or Solution Treated or Aging

Mechanical Properties	
Tensile Strength in Mpa	180 - 300
Yield Strength in Mpa	140 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HB	47 - 138
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
2024.0000	SAE	USA	Plate and Sheet
2024	AS	Australia	Plate and Sheet
2024A	AS	Australia	Plate and Sheet
2024	NBN	Belgium	Bar
AlCuMg2	ONORM	Australia	Plate and Sheet
AL-P2024	ONORM	Australia	Sheet and Strip
EN AW-2024	NBN	Belgium	Bar and Tube

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