

Material: ONORM AlCuMg2

Standard Specification For Aluminium Alloy

Group: Non-Ferrous Aluminium Alloys

Sub Group: ONORM AlCuMg2 Aluminium Alloy

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

Grade Belongs to the Industry: Plate and Sheet

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	212 min.
Yield Strength in Mpa	76 min.
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in HB	120 max.
Impact in Joule	4.4 - 13.6 J @ RT

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
AL-P2024	ONORM	Australia	Sheet and Strip
EN AW-2024	NBN	Belgium	Bar and Tube
EN AW-Al Cu4Mg1	NBN	Belgium	Bar and Tube

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India