GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE 2024

Standard Specification For Aerospace Material Aluminium Alloy

Group - Non-Ferrous Aluminium Alloys

Sub Group - SAE 2024 Aerospace Material Aluminium Alloy

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

Grade Belongs to the Industry - Plate and Sheet

Chemical Composition			Heat Treatment	
Silicon	Si %	0.500 max.	As Raw or Temper or Solution Treated or Aging	
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.	**Mechanical Properties**	
Other	Ot %	1.000 max.	Tensile Strength in Mpa	200 min.
Aluminium	Al %	Balance	Yield Strength in Mpa	97 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
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
EN AW-Al Cu4Mg1	NBN	Belgium	Bar and Tube

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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