



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE 6063

Standard Specification For Aerospace Material Aluminium Alloy

Group - Non-Ferrous Aluminium Alloys

Sub Group - SAE 6063 Aerospace Material Aluminium Alloy

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

Grade Belongs to the Industry - Bar, Rod, Shapes, Tube and Wire, Extrusion

Chemical Composition			Heat Treatment	
Silicon	Si %	0.200 - 0.600	As Raw or Temper or Solution Treated or Aging	
Chromium	Cr %	0.100 max.		
Manganese	Mn %	0.100 max.		
Magnesium	Mg %	0.450 - 0.900		
Copper	Cu %	0.100 max.		
Iron	Fe %	0.350 max.		
Zinc	Zn %	0.100 max.		
Titanium	Ti %	0.100 max.		
Other	Ot %	1.000 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 110 min. Yield Strength in Mpa 55 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
6063	AS	Australia	Wire, Rod, Bar and Strip
B 491 6063	ASTM	USA	Tube
A96063	UNS	USA	Bar, Rod, Shapes, Tube and Wire, Extrusion
EN AW-6063	DIN	Germany	Rod, Bar and Tube
6063	ISO	International	Rod, Bar and Tube
SB-241 6063	ASME	USA	Pipe and Tube
B 275 GS10A	ASTM	USA	Bar, Rod, Shapes, Tube and Wire, Extrusion

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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