

Material: UNS A96063

Standard Specification For Aluminium Alloy

Group: Non-Ferrous Aluminium Alloys

Sub Group: UNS A96063 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		
Silicon	Si %	0.200 - 0.600
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Temper or Solution Treated or Aging

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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
6063	SAE	USA	Bar, Rod, Shapes, Tube and Wire, Extrusion
6063	AS	Australia	Wire, Rod, Bar and Strip
B 491 6063	ASTM	USA	Tube
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

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