



## Material - ANSI/AA A360

**Standard Specification for Aluminium Alloy for General Engineering and Light-Weight Structural Purpose**

**Group - Non-Ferrous Aluminium Alloy**

**Sub Group - ANSI/AA Aluminium Alloy for General Engineering and Light-Weight Structural Purpose**

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

**Grade Belongs to the Industry - Casting**

Chemical Composition			Heat Treatment	
Silicon	Si %	9.000 - 10.000	As-Cast	
Iron	Fe %	1.300 max.		
Copper	Cu %	0.600 max.		
Magnesium	Mg %	0.400 - 0.600		
Manganese	Mn %	0.350 max.		
Nickel	Ni %	0.500 max.		
Zinc	Zn %	0.500 max.		
Tin	Sn %	0.150 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	317 min.
			Yield Strength in Mpa	165 min
			Elongation in %	3.5 min.
			Reduction of Area in %	-
			Hardness in BHN	75 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A03600	UNS	USA	Casting
B 275 360.0	ASTM	USA	Casting
A 275 SG100B	ASTM	USA	Casting
B 85 360.0	ASTM	USA	Casting
B 85 SG100B	ASTM	USA	Casting
A03600	SAE	USA	Casting
360.0	NBR	Brazil	Casting

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

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