



## Material - ANSI/AA 360

**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 %	2.000 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		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	303 min.
-	-	-	Yield Strength in Mpa	172 min
-	-	-	Elongation in %	2.5 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)**

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.