GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 452 A02060 (206.0)

Standard Specification for Compositions, Mechanical and Physical Properties of SAE Aluminum Casting Alloys

Group - Non-Ferrous Aluminium Alloys

Sub Group - SAE J 452 A02060 (206.0) Compositions, Mechanical and Physical Properties of SAE Aluminum Casting Alloys

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Silicon	Si %	0.100 max.
Iron	Fe %	0.150 max.
Copper	Cu %	4.200 - 5.000
Manganese	Mn %	0.200 - 0.500
Magnesium	Mg %	0.150 - 0.350
Nickel	Ni %	0.050 max.
Zinc	Zn %	0.100 max.
Tin	Sn %	0.050 max.
Titanium	Ti %	0.150 - 0.300
Other	Ot %	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Solution Aging

Mechanical Properties	
Tensile Strength in Mpa	275 min.
Proof Strength in Mpa	165 min.
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A02060	UNS	USA	Casting
206.0000	UNS	USA	Casting
1725 GB-AlCu4TiMg	DIN	Germany	Casting
1725 3.1372	DIN	Germany	Casting
B 686 A201.0	ASTM	USA	Casting
A-21180D A201.0	MIL	USA	Casting
A-21180C A201.0	MIL	USA	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

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.