GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 452 A07070 (707.0)

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

Group - Non-Ferrous Aluminium Alloys

Sub Group - SAE J 452 A07070 (707.0) 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 %	0.200 max.
Iron	Fe %	0.800 max.
Copper	Cu %	0.200 max.
Manganese	Mn %	0.400 - 0.600
Magnesium	Mg %	1.800 - 2.400
Chromium	Cr %	0.200 - 0.400
Zinc	Zn %	4.000 - 4.500
Titanium	Ti %	0.250 max.
Other	Ot %	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Solution Treatment

Mechanical Properties	
Tensile Strength in Mpa	255 min.
Proof Strength in Mpa	205 min.
Elongation in %	1 min.
Reduction of Area in %	-
Hardness in HB	65 - 95
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A07070	UNS	USA	Casting
707.0000	UNS	USA	Casting
B 108 707.0	ASTM	USA	Casting
B 108 A07070	ASTM	USA	Casting
B 179 707.1	ASTM	USA	Casting
B 179 A07071	ASTM	USA	Casting
B 26 707.0	ASTM	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.