



## Material - SAE J 452 A02220

### Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - SAE J 452 Aluminium and Aluminium Alloys - Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	9.200 - 10.700	As-Cast	
Iron	Fe %	1.500 max.		
Magnesium	Mg %	0.150 - 0.350		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	2.000 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.800 max.		
Other	Ot%	0.350 max.		
Aluminium	Al %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      160 - 275 Yield Strength in Mpa      - Elongation in %      - Reduction of Area in %      - Hardness in HB      100 - 155 Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SB-26 222.0	ASME	USA	Casting
222.0	AA	USA	Ingot and Casting
B 275 CG100A	ASTM	USA	Casting
A02220	UNS	USA	Casting
L-2110	UNE	Spain	Casting
2550	IS	India	Ingot and Casting
LM12	BS	British	Ingot and 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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