



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-26 222.0

Standard Specification for Boiler and Pressure Vessel for General Engineering Purpose

Group - Non-Ferrous Aluminium Alloy

Sub Group - ASME Boiler and Pressure Vessel for General Engineering Purpose

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		
-	-	-	Mechanical Properties Tensile Strength in Mpa 159 - 207 Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 80 - 115 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM12	BS	British	Ingot and 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
A02220	SAE	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.

ONE STOP SOLUTION FOR METAL PARTS