

Material - ASTM B108 308.0

Standard Specification for Aluminum-Alloy Permanent Mold Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - ASTM B108/B108M Aluminum-Alloy Permanent Mold Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.000 - 5.000	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Silicon	Si %	5.000 - 6.000		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	165 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	70 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ADC 8	JIS	Japan	Casting
CA327	AS	Australia	Ingot and Casting
319.0	AA	USA	Ingot and Casting
308.0	AA	USA	Ingot and Casting
LM21	BS	British	Casting
SB-108 308.0	ASME	USA	Casting
A03080	UNS	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+91 9879817994), or email us at manish@amtechtechnocast.com

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