Material: UNS A03080

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group: *Non-Ferrous Alumium Alloy*
Sub Group: *UNS Aluminium and Aluminium Alloys - Castings*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade*
Belongs to the Industry: *Casting*

Chemical Composition		
Copper	Cu %	4.000 - 5.000
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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
B 108 308.0	ASTM	USA	Casting
SB-108 308.0	ASME	USA	Casting
LM21	BS	British	Casting

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