



Material - SAE J 452 A03800

Standard Specification for Aluminium and Aluminium Alloy - Ingot and Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - SAE J 452 Aluminium and Aluminium Alloy - Ingot and Casting

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	3.000 - 4.000	As-Cast	
Iron	Fe %	2.000 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	7.500 - 9.500		
Tin	Sn %	0.350 max.		
Zinc	Zn %	3.000 max.		
Other	Ot%	0.500 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 315 min. Yield Strength in Mpa 160 min. Elongation in % 2.5 min. Reduction of Area in % - Hardness in HB - Impact in Joule -	
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-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A03800	UNS	USA	Casting
B 275 380.0	ASTM	USA	Casting
A 275 SC84B	ASTM	USA	Casting
B 85 380.0	ASTM	USA	Casting
B 85 SC84B	ASTM	USA	Casting
380	AA	USA	Casting
380.0	NBR	Brazil	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

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