

Material: SAE J 452 A03830

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 %	2.000 - 3.000	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.300 max.		
Silicon	Si %	9.000 - 11.500		
Tin	Sn %	0.150 max.		
Zinc	Zn %	3.000 max.		
Other	Ot%	0.500 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 310 min. Yield Strength in Mpa 150 min. Elongation in % 3.5 min. Reduction of Area in % - Hardness in HB - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 275 383.0	ASTM	USA	Casting
AA335	AS	Australia	Ingot and Casting
A03830	UNS	USA	Ingot and Casting
383	AA	USA	Casting
383.0	NBR	Brazil	Casting
383.0	NMX	Maxico	Casting
SC102A	ASTM	USA	Casting

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