



Material - AS 1874 305

Standard Specification for Aluminium and Aluminium Alloys - Ingot and Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - AS 1874 Aluminium and Aluminium Alloys - 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 - 4.000	As-Cast	
Iron	Fe %	0.900 max.		
Magnesium	Mg %	0.600 - 1.500		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Lead	Pb %	0.250 max.		
Silicon	Si %	8.500 -10.500		
Tin	Sn %	0.150 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.800 max.		
Other	Ot%	0.350 max.	Mechanical Properties Tensile Strength in Mpa 215 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB - Impact in Joule -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AA305	AS	Australia	Ingot and Casting
LM26	BS	British	Ingot and Casting
AC8B	JIS	Japan	Casting
332.0	AA	USA	Ingot and Casting
AC8C	JIS	Japan	Casting
AC8C	KS	Korea	Casting
A03320	UNS	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

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