

Material: BS 1490 LM24

Standard Specification for Aluminium and Aluminium Alloy Ingots and Casting for General Engineering Purpose

Group: Non-Ferrous Aluminium Alloy

Sub Group: Aluminium Alloy BS 1490 for Ingots and Casting General Engineering Purpos

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	
Magnesium	Mg %	0.300 max.		
Silicon	Si %	7.500 - 9.500		
Iron	Fe %	1.300 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Zinc	Zn %	3.000 max.		
Lead	Pb %	0.300 max.		
Tin	Sn %	0.200 max.		
Titanium	Ti %	0.200 max.		
Other	Ot%	0.500 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	180 min.
Yield Strength in Mpa	-
Elongation in %	1.5 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4420	IS	India	Ingots and Casting
AS313	AS	Australia	Ingots and Casting
BB325	AS	Australia	Ingots and Casting
CA313	AS	Australia	Ingots and Casting
ADC10Z	JIS	Japan	Ingots and Casting
380.0	AA	USA	Ingots and Casting
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Customer Care: +91-99090 45075 Email: info@icastllp.com