

## Material: BS 1490 LM20

### Standard Specification for Aluminium and Aluminium Alloy Ingot and Casting for General Engineering Purpose

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** Aluminium Alloy BS 1490 for Ingot and Casting General Engineering Purpose

**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 %	0.400 max.	As-Cast	
Magnesium	Mg %	0.200 max.		
Silicon	Si %	10.000 - 13.000		
Iron	Fe %	1.000 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.100 max.		
Zinc	Zn %	0.200 max.		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.		
Other	Ot%	0.200 max.	Tensile Strength in Mpa	190 min.
Aluminium	Al %	Balance	Yield Strength in Mpa	-
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AS401	AS	Australia	Ingot and Casting
DA401	AS	Australia	Ingot and Casting
A413.0	AA	USA	Ingot and Casting
AlSi12 (Fe)	ISO	International	Casting
ADC12	JIS	Japan	Casting
A413.0	NBR	Brazil	Ingot and Casting
A413.0	NMX	Maxico	Ingot and Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)