

## Material: UNE 38-271 L-2710

### Standard Specification for Aluminium Alloy for Casting

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** UNE 38-271 Aluminium Alloy for Casting

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment			
Copper	Cu %	0.150 - 0.350	As-Cast			
Iron	Fe %	0.800 max.				
Magnesium	Mg %	0.500 - 0.650				
Manganese	Mn %	0.400 max.				
Silicon	Si %	0.300 max.				
Titanium	Ti %	0.150 - 0.250				
Zinc	Zn %	4.800 - 5.700				
Chromium	Cr %	0.015 - 0.350				
Nickel	Ni %	0.050 max.				
Lead	Pb %	0.050 max.				
Tin	Sn %	0.050 max.				
Aluminium	Al %	Balance				
-	-	-			<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	235 min.		
-	-	-	Yield Strength in Mpa	170 min.		
-	-	-	Elongation in %	4 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HB	60 - 90		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM31	BS	British	Ingot and Casting
712.0	AA	USA	Casting
Al Zn5Mg	ISO	International	Ingot and Casting
712.0	SAE	USA	Casting
BA701	AS	Australia	Ingot and Casting
B-26 712.0	ASTM	USA	Casting
A-Z5G	AFNOR NF	France	Ingot and Casting

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