



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		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
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

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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