Material - SAE J 452 712.0

Standard Specification for Aluminium and Aluminium Alloys - Casting
Group - Non-Ferrous Alumium Alloy
Sub Group - SAE J 452 Aluminium and Aluminium Alloys - Casting
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.250 max.	As-Cast	
Iron	Fe %	0.500 max.		
Magnesium	Mg %	0.500 - 0.650		
Manganese	Mn %	0.100 max.		
Silicon	Si %	0.300 max.		
Titanium	Ti %	0.150 - 0.250		
Zinc	Zn %	5.000 - 6.500		
Chromium	Cr %	0.400 - 0.600		
Other	Ot%	0.200 max.	**Mechanical Properties**	
Aluminium	Al %	Balance	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
BA701	AS	Australia	Ingot and Casting
L-2710	UNE	Spain	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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