



Material - AFNOR NF 57-702 A-S12UN

Standard Specification for Permanent Mould Castings and Sand Castings of Aluminium, Aluminium Alloys

Group - Non-Ferrous Aluminium Alloy

Sub Group - AFNOR NF 57-702 Permanent Mould Castings and Sand Castings of Aluminium, Aluminium Alloys

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.800 - 1.500	As-Cast	
Iron	Fe %	0.750 max.		
Magnesium	Mg %	0.750 - 1.300		
Manganese	Mn %	0.300 max.		
Nickel	Ni %	0.800 - 1.300		
Silicon	Si %	11.500 - 13.000		
Tin	Sn %	0.200 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.200 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 170 - 270 Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 85 - 110 Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AC8A	JIS	Japan	Casting
LM13	BS	British	Casting
AA319	AS	Australia	Ingot and Casting
319	AS	Australia	Ingot and Casting
Alsi12NiCuMg	CSN	Czech Republic	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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