

Material: MSZ EN 1706 AC-ALSi9Mg

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group: Non-Ferrous Aluminium Alloy

Sub Group: MSZ EN 1706 Aluminium and Aluminium Alloys - Castings

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.050 max.	As-Cast or Solution Annealing and Aging	
Iron	Fe %	0.190 max.		
Magnesium	Mg %	0.200 - 0.450		
Manganese	Mn %	0.100 max.		
Silicon	Si %	9.000 - 10.000		
Titanium	Ti %	0.150 max.		
Zinc	Zn %	0.070 max.		
Other	Ot%	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 160 - 230 Yield Strength in Mpa 80 - 310 Elongation in % 44471 Reduction of Area in % - Hardness in HB 50 - 120 Impact in Joule -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-ALSi9Mg	DIN	Germany	Casting
EN AC-ALSi9Mg	BS	British	Casting
EN AC-ALSi9Mg	UNE	Spain	Casting
EN AC-ALSi9Mg	UNI	Italy	Casting
EN AC-ALSi9Mg	SFS	Finland	Casting
EN AC-ALSi9Mg	AFNOR NF	France	Casting
Al Si9Mg	ISO	International	Casting

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