

Material: UNS J31300

Standard Specification for Alloy Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: UNS J31300 Alloy Steel Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.130 max.	Normalizing + Tempering or Hardening + Tempering	
Silicon	Si %	0.450 max.		
Manganese	Mn %	0.900 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.500 max.		
Nickel	Ni %	8.500 - 10.000		
Molybdenum	Mo %	0.200 max.		
Vanadium	V %	0.030 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 585 min. Yield Strength in Mpa 515 min. Elongation in % 20 min. Reduction of Area in % 30 min. Hardness in BHN - Impact in Joule -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-352 Grade LC9	ASME	USA	Casting
A352 LC9	ASTM	USA	Casting
B-136 Grade LC9	NMX	Maxicon	Casting
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