

Material: UNS J03502

Standard Specification for Carbon Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: UNS J0350 Carbon 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 %	0.350 max.	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.060 max.		
Manganese	Mn %	0.700 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.030 max.		
Iron	Fe %	Balance		
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-	-	-	Mechanical Properties Tensile Strength in Mpa 485 min. Yield Strength in Mpa 250 min. Elongation in % 20 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
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-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA 216 WCB	ASME	USA	Casting
A757 A1Q	ASTM	USA	Casting
J03002	UNS	USA	Casting
1.0619	DIN	Germany	Casting
A356 1	ASTM	USA	Casting
A660 WCB	ASTM	USA	Fusion Welding, Bending and Forming
SA 660 WCB	ASME	USA	Centrifugal Casting

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