

Material - UNS J03001

Standard Specification for Carbon Steel Casting

Group - Ferrous Mild Steel Alloys

Sub Group - UNS J03001 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 %	0.300 max.		
Silicon	Si %	0.800 max.		
Manganese	Mn %	0.700 max.		
Phosphorus	Р%	0.050 max.	Normalising or Annealing or Hardening + Tempering	lardening + Tempering
Sulphur	S %	0.060 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	24 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardn <mark>ess in BH</mark> N	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
A27 Grade N-1	ASTM	USA	Casting	
A27 Grade U-60-30	ASTM	USA	Casting	
A27 Grade 60-30	ASTM	USA	Casting	
A27 Grade 65-35	ASTM	USA	Casting	
A27 Grade 70-36	ASTM	USA	Casting	
A27 Grade 70-40	ASTM	USA	Casting	
A27 Grade N-2	ASTM	USA	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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