

Material-ASTMA27Grade N-1

Standard Specification for Steel Castings, Carbon for General Application

Group-Ferrous Mild Steel Alloys

SubGroup-ASTMA27/A27M Steel Castings, Carbon for General Application

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

Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.250 max.	As - Cast	
Silicon	Si %	0.800 max.		
Manganese	Mn %	0.750 max.		
Phosphorus	P%	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr%	0.500 max.		
Nickel	Ni%	0.500 max.		
Molybdenum	Mo %	0.250 max.		
Copper	Cu%	0.500 max.		
Iron	Fe%	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belongs to the Industry
J02500	UNS	USA	Casting
A27 Grade N-2	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

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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India