



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A915 Grade SC 1020

Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications, for Low-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A915 Grade SC 1020 Ferritic and Martensitic Steel Castings for Pressure-Containing and Low-Temperature Service

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.180 - 0.230	As- Cast or Normalising or Annealing or Hardening + Tempering			
Silicon	Si %	0.300 - 0.600				
Manganese	Mn %	0.400 - 0.800				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.040 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.
-	-	-			Hardness in BHN	-
-	-	-			Impact in Joule	-
-	-	-				

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02003	UNS	USA	Casting
1020	AISI	USA	Bar, Wire, Tube and Forging
1020	SAE	USA	Bar, Wire, Tube and Forging
1020	AS	Australia	Bar, Wire, Tube and Forging
1020	AMS	USA	Bar, Wire, Tube and Forging
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS