GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-439 Grade D-2B

Standard Specification for Austenitic Ductile Iron Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-439 Grade D-2B Austenitic Ductile Iron Castings

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

Grade Belongs to the Industry - Castings

Chemical Composition		
Carbon	C %	3.000 max.
Silicon	Si %	1.500 - 3.000
Manganese	Mn %	0.700 - 1.250
Phosphorus	P %	0.080 max.
Nickel	Ni %	18.000 - 22.000
Chromium	Cr %	2.750 - 4.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Stress Relieving or Annealing

Mechanical Properties	
Tensile Strength in Mpa	400 min.
Yield Strength in Mpa	210 min.
Elongation in %	7 min.
Reduction of Area in %	-
Hardness in BHN	148 - 211
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F43001	UNS	USA	Castings
1694 0.6661	DIN	Germany	Castings
1694 0.7661	DIN	Germany	Castings
G 5510 FCDA-NiCr 20 3	JIS	Japan	Castings
3468 S2B	B.S.	United Kingdom	Castings
32-301 FGL Ni20 Cr3	AFNOR NF	France	Castings
7737 S-Ni Cr 20 3	UNI	Italy	Castings

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.