GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-439 Grade D-2C

Standard Specification for Austenitic Ductile Iron Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-439 Grade D-2C 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 %	2.900 max.
Silicon	Si %	1.000 - 3.000
Manganese	Mn %	1.800 - 2.400
Phosphorus	P %	0.080 max.
Nickel	Ni %	21.000 - 24.000
Chromium	Cr %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Stress Relieving or Annealing

Mechanical Properties	
Tensile Strength in Mpa	400 min.
Yield Strength in Mpa	195 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	121 - 171
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F43002	UNS	USA	Castings
1694 GGG-Ni 22	DIN	Germany	Castings
1694 0.7670	DIN	Germany	Castings
G 5510 FCDA-Ni 22	JIS	Japan	Castings
32-160 S-N 22 L60	AFNOR NF	France	Castings
A 439 Type D-2C	ASTM	USA	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

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