GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 7520 Grade 1

Standard Specification for Corrosion-Resistant High Silicon Iron Castings

Group - Ferrous Silicon Alloys

Sub Group - IS 7520 Grade 1 Corrosion-Resistant High Silicon Iron Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	1.200 max.
Silicon	Si %	10.000 - 12.000
Manganese	Mn %	0.500 max.
Phosphorus	P %	0.250 max.
Sulphur	S %	0.100 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
AS-Cast or Stress Reliving or Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1591 Si 10	B.S.	United Kingdom	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

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.