



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO 1083 | JS I 550-5 | S

Standard Specification For Spheroidal Graphite Cast Irons Castings

Group - Ferrous SG Iron | Ductile Iron Alloys

Sub Group - ISO 1083 | JS I 550-5 | S Spheroidal Graphite Cast Irons Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	-	As-Cast			
Silicon	Si %	-				
Manganese	Mn %	-				
Phosphorus	P %	-				
Sulphur	S %	-				
Chromium	Cr %	-				
Nickel	Ni %	-				
Copper	Cu %	-				
Iron	Fe %	-				
-	-	-				
-	-	-	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.		
-	-	-	Yield Strength in Mpa	350 min.		
-	-	-	Elongation in %	5 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 550-5	AS	Australia	Casting
A 536 80-55-06	ASTM	USA	Casting
D550	SAE	USA	Casting
D5504	SAE	USA	Casting
FCD 600-3	JIS	Japan	Casting
EN-JS1092	UNI	Italy	Casting
JS 550-5 C	ISO	International	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.

ONE STOP SOLUTION FOR METAL PARTS