



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE D550

Standard Specification For Ductile Cast Irons Castings

Group - Ferrous SG Iron I Ductile Iron Alloys

Sub Group - SAE D550 Ductile 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 %	3.200 - 4.100	As-Cast	
Silicon	Si %	1.800 - 3.000		
Manganese	Mn %	0.100 - 1.000		
Phosphorus	P %	0.050 max.		
Sulphur	S %	0.035 max.		
Magnesium	Mg %	0.025 - 0.060		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 550 min. Yield Strength in Mpa 350 min. Elongation in % 4 min. Reduction of Area in % - Hardness in BHN 217 - 269 Impact in Joule 40 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 550-5	ISO	International	Casting
JS 550-5	AS	Australia	Casting
A 536 80-55-06	ASTM	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

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ONE STOP SOLUTION FOR METAL PARTS