

Material: SAE D4512

Standard Specification For Ductile Iron Castings

Group: Ferrous SG Iron I Ductile Iron Alloys

Sub Group: SAE D4512 Ductile Iron 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 %	0.015 - 0.100		
Sulphur	S %	0.005 - 0.035		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 448 min. Yield Strength in Mpa 310 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN 156 - 217 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 450-10	ISO	International	Casting
JS 450-10	AS	Australia	Casting
A 536 65-45-12	ASTM	USA	Casting
D450	SAE	USA	Casting
EN-GJS-450-10	BS	British	Casting
EN-JS1040	UNE	Spain	Casting
5.3107	DIN	Germany	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com