

Material: BS EN-GJS-450-10

Standard Specification For Spheroidal Graphite Cast Irons Castings

Group: Ferrous SG Iron / Ductile Iron Alloys

Sub Group: BS EN-GJS-450-10 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 %	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	440 min.
-	-	-	Yield Strength in Mpa	300 min.
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	160 - 210
-	-	-	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
D4512	SAE	USA	Casting
EN-JS1040	UNE	Spain	Casting
5.3107	DIN	Germany	Casting

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