

Material: NS EN-GJS-450-10

Standard Specification For Spheoidal Graphite Cast Irons Castings

Group: Ferrous SG Iron / Ductile Iron Alloys

Sub Group: NS EN-GJS-450-10 Spheoidal Graphite Cast Irons Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	-
Silicon	Si %	-
Manganese	Mn %	-
Phosphorus	P %	-
Sulphur	S %	-
Chromium	Cr %	-
Nickel	Ni %	-
Copper	Cu %	-
Iron	Fe %	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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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