

Material: AFNOR NF FGS 400-18

Standard Specification For Spheroidal Graphite Cast Irons Castings

Group: Ferrous SG Iron / Ductile Iron Alloys

Sub Group: AFNOR NF FGS 400-18 Spheroidal 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	400 min.
Yield Strength in Mpa	250 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	130 - 180
Impact in Joule	14 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
JS 400-18	ISO	International	Casting
JS 400-18	AS	Australia	Casting
A 536 60-40-18	ASTM	USA	Casting
D400	SAE	USA	Casting
D4018	SAE	USA	Casting
EN-GJS-400-18	UNE	Spain	Casting
SG 400 I 18	IS	India	Casting

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