Material - BS 3100 Grade 316C12

Standard Specification for Steel Castings for General Engineering Purposes
Group - Ferrous Stainless Steel Alloys
Sub Group - BS 3100 Grade 316C12 Steel Castings for General Engineering Purposes
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment
Carbon	C %	0.030 max.	
Silicon	Si %	1.500 max.	
Manganese	Mn %	2.000 max.	As Cast or Annealing or Normalizing or Hardening and Tempering
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.040 max.	
Chromium	Cr %	17.000 - 21.000	
Molybdenum	Mo %	2.000 - 3.000	
Nickel	Ni %	9.000 min.	

			Mechanical Properties	
Iron	Fe %	Balance		
-	-	-	Tensile Strength in Mpa	430 min.
-	-	-	Yield Strength in Mpa	215 min.
-	-	-	Elongation in %	26 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
316C12LT196	BS	British	Casting
Z 2 CND 18.12 M	AFNOR NF	France	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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