

Material - ASTM A743 CF16F

Standard Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A743 / A743M Casting, Iron-Chromium-Nickel, corrosion Resistant Casting, for General Application

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.160 max.	Solution Annealing	
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.170 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	18.000 - 21.000		
Nickel	Ni %	9.000 - 12.000		
Molybdenum	Mo %	1.500 max.		
Selenium	Se %	0.200 - 0.350	Mechanical Properties	
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	205 min.
			Elongation in %	25 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J92701	UNS	USA	Casting
302 C 25	BS	British	Casting
SCS 12	JIS	Japan	Casting
10 Ch 18N9L	GOST	Russia	Casting
Z 10 CN 18.9M	AFNOR NF	France	Casting
F.8411	UNE	Spain	Casting
L H 18 N 9	PN	Poland	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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