



Material - EN GX12Cr12

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN GX12Cr12 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 %	0.150 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	11.500 - 13.500		
Nickel	Ni %	1.000 max.		
Molybdenum	Mo %	0.500 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.080 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	620 min.
			Yield Strength in Mpa	450 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	20 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
410C21	BS	British	Casting
1.4008	ONORM	Australia	Casting
1.4011	ONORM	Australia	Casting
GX12Cr12	ONORM	Australia	Casting
GX7CrNiMo12-1	ONORM	Australia	Casting
1.4008	EN	European Union	Casting
1.4011	EN	European Union	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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