



Material - ONORM GX7CrNiMo12-1

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - ONORM GX7CrNiMo12-1 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 %	0.100 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 %	12.000 - 13.500		
Nickel	Ni %	1.000 - 2.000		
Molybdenum	Mo %	0.200 - 0.500		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.080 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 590 min. Yield Strength in Mpa 440 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		

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
1.4008	EN	European Union	Casting
1.4011	EN	European Union	Casting
GX12Cr12	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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