



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF 15 CD9.10-M

Standard Specification for Cast Steel and Nickel Alloy Castings for Pump, Valve and Fitting

Group - Ferrous Mild Steel Alloys

Sub Group - AFNOR NF 15 CD9.10-M Cast Steel and Nickel Alloy Castings for Pump, Valve and Fitting

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

Grade Belongs to the Industry - Pump, Valve and Fitting

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.180	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.100 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	2.000 - 2.500		
Molybdenum	Mo %	0.900 - 1.100		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 - 650
-	-	-	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	17 min.
-	-	-	Reduction of Area in %	28 max.
-	-	-	Hardness in HB	160 - 200
-	-	-	Impact in Joule	20 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 G17CrMo9-10	BS	British	Plate, Tubes and Forging
G17CrMo9-10	ISO	International	Casting
1.7379	ISO	International	Casting
SCPH 32	JIS	Japan	Casting
A 217 Grade WC9	ASTM	USA	Casting
A 217 J21890	ASTM	USA	Casting
SCPH 32-CF	JIS	Japan	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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