GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-2 10CrMo9-10 I 1.7380

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10028-2 10CrMo9-10 I 1.7380 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.080 - 0.140
Silicon	Si %	0.500 max.
Manganese	Mn %	0.400 - 0.800
Phosphorus	P %	0.020 max.
Sulphur	S %	0.010 max.
Nitrogen	N %	0.012 max.
Chromium	Cr %	2.000 - 2.500
Copper	Cu %	0.300 max.
Molybdenum	Mo %	0.900 - 1.100
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	480 - 630
Yield Strength in Mpa	310 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	31 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10028-2 10 CrMo 9-10	AFNOR NF	France	Steel
EN 10028-2 10 CrMo 9-10	B.S.	United Kingdom	Steel
10 CrMo 9-10	NBN	Belgium	Steel
2295 10 CrMo 9 10	MSZ	Hungary	Steel
EN 10028-2 10 CrMo 9-10	UNI	Italy	Steel
17243 10 CrMo 9 10	DIN	Germany	Steel and Bars
10273 10 CrMo 9 10	EN	European Union	Steel and Bars

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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