GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10222-2 1.7383 (11CrMo9-10)

Standard Specification for Ferritic and Martensitic Steels With Specified Elevated Temperatures Properties

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10222-2 1.7383 (11CrMo9-10) Ferritic and Martensitic Steels With Specified Elevated Temperatures Properties

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.080 - 0.150
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 %	0.250 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	520 - 670
Yield Strength in Mpa	310 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	60 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
9330-2 11 CrMo 9-10	ISO	International	Steel and Tubing
11 CrMo 9-10	NBN	Belgium	Steel
EN 10028-2 11 CrMo 9-10	UNI	Italy	Steel
EN 10028-2 11 CrMo 9-10	B.S.	United Kingdom	Steel
EN 10028-2 11 CrMo 9-10	AFNOR NF	France	Steel
EN 10028-2 11CrMo9-10	DIN	Germany	Steel
10273 11 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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