GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4368 10Cr2Mol

Standard Specification for Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4368 10Cr2Mol Alloy Steel Billets, Blooms and Slabs for Forgings for General Engineering Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Forging

Chemical Composition		
Carbon	C %	0.150 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	0.400 - 0.700
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Nickel	Ni %	0.300 max.
Chromium	Cr %	2.000 - 2.500
Molybdenum	Mo %	0.900 - 1.100
Vanadium	V %	0.050 max.
Copper	Cu %	0.300 max.
Tin	Sn %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	241 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
8184 10 CrMo 10	STAS	Romania	Steel and Tubing
2883/3 12 MoCr 22	STAS	Romania	Plates
H 84024 10 H 2 M	PN	Poland	Steel
5520 10Ch2M	GOST	Russia	Plates
A 36-210 12 CD 9-10	AFNOR NF	France	Steel and Plates
A 36-603 12 CD 9-10	AFNOR NF	France	Steel and Forging
6609 12 Ch 2 M	BDS	Bulgaria	Steel and Tubing

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.