GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4367 50Cr4V2

Standard Specification for Alloy Steel Forgings for General Industrial Use

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4367 50Cr4V2 Alloy Steel Forgings for General Industrial Use

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.450 - 0.550
Silicon	Si %	0.100 - 0.350
Manganese	Mn %	0.500 - 0.800
Chromium	Cr %	0.900 - 1.200
Vanadium	V %	0.150 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	900 - 1100
Yield Strength in Mpa	700 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HB	266 - 325
Impact in Joule	45 J @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 5517 50Cr4V2	IS	India	Steel
IS 4368 50Cr1V23	IS	India	Billets, Blooms and Slabs
IS 7494 50Cr4V2	IS	India	Steel
IS 3930 50Cr4V2	IS	India	Steel
IS 2507 50Cr4V2	IS	India	Steel and Strip
IS 3195 50Cr4V2	IS	India	Steel
IS 1570 50Cr4V2	IS	India	Steel

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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