GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10213 G17CrMo9-10 I 1.7379

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10213 G17CrMo9-10 I 1.7379 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.130 - 0.200
Silicon	Si %	0.600 max.
Manganese	Mn %	0.500 - 0.900
Phosphorus	P %	0.020 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	2.000 - 2.500
Molybdenum	Mo %	0.900 - 1.200
Nickel	Ni %	0.400 max.
Copper	Cu %	0.300 max.
Vanadium	V %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Normalizing or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	590 - 740
Proof Strength in Mpa	400 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	40 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10213-2 G17CrMo9-10	UNI	Italy	Steel
142224 2224	SS	Sweden	Casting
370 (G-16 CrMo 9 9)	SFS	Finland	Casting
SEW 685 GS-17 CrMo 9 10	DIN	Germany	Casting
SEW 685 1.7377	DIN	Germany	Casting
M 3182 GS 17 CrMo 9 10	ONORM	Austria	Steel
36256 F.8384	UNE	Spain	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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