GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10293 1.7710 (G15CrMoV6-9)

Standard Specification for Steel Castings for general engineering uses

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10293 1.7710 (G15CrMoV6-9) Steel Castings for general engineering uses

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.120 - 0.180
Silicon	Si %	0.600 max.
Manganese	Mn %	0.600 - 1.000
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	1.300 - 1.800
Molybdenum	Mo %	0.800 - 1.000
Vanadium	V %	0.150 - 0.250
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	980 - 1150
Yield Strength in Mpa	930 min.
Elongation in %	6 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	27 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
6927 15 CrMoV 6	UNI	Italy	Steel
A 32-054 G15CrMoV6	AFNOR NF	France	Steel and Casting
27 CrMoV 6-12	DIN	Germany	Steel
17225 45 CrMoV 6 7	DIN	Germany	Steel
17350 48 CrMoV 6 7	DIN	Germany	Steel
14 CrMoV 6-9	DIN	Germany	Steel
1.7735	DIN	Germany	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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