GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 2986 Grade 2

Standard Specification for Steel Casting for Marine Engines and Boilers

Group - Ferrous Mild Steel Alloys

Sub Group - IS 2986 Grade 2 Steel Casting for Marine Engines and Boilers

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.250 max.
Silicon	Si %	0.150 - 0.600
Manganese	Mn %	0.600 - 1.200
Sulphur	S %	0.040 max.
Phosphorus	P %	0.040 max.
Nickel	Ni %	0.040 max.
Chromium	Cr %	0.250 max.
Molybdenum	Mo %	0.150 max.
Copper	Cu %	0.300 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Annealing or Normalizing or Normalizing + Tempering

Mechanical Properties	
Tensile Strength in Mpa	430 - 540
Yield Strength in Mpa	235 min.
Elongation in %	22 min.
Reduction of Area in %	35 min.
Hardness in HV	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1504 161-430	B.S.	United Kingdom	Casting
6280 37 C	MSZ	Hungary	Steel
6280 37 D	MSZ	Hungary	Steel
6280 37 B	MSZ	Hungary	Steel
10016-2 C 26 D	EN	European Union	Steel and Rod
EN 10016-2 C 26 D	UNI	Italy	Steel
EN 10016-2 C 26 D	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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