GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 4898 Grade 2

Standard Specification for Steel Casting for Carburizing

Group - Ferrous Mild Steel Alloys

Sub Group - IS 4898 Grade 2 Steel Casting for Carburizing

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 %	0.300 - 0.600
Sulphur	S %	0.040 max.
Phosphorus	P %	0.040 max.
Chromium	Cr %	0.600 - 1.100
Molybdenum	Mo %	0.150 - 0.250
Copper	Cu %	0.300 max.
Nickel	Ni %	3.000 - 3.750
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Normalizing or Normalizing & Tempering or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	1000 min.
Proof Strength in Mpa	-
Elongation in %	7 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	20 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1.2721	DIN	Germany	Steel
50 NiCr 13	DIN	Germany	Steel
EN 10084 1.6657	DIN	Germany	Steel
253-03 14NiCrMo13-4	NBN	Belgium	Steel
10084 1.6657	EN	European Union	Steel
10084 14 NiCrMo 13-4	EN	European Union	Steel
36013 14 NiCrMo 13	UNE	Spain	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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