GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A401 Grade 9254

Standard Specification for Steel Wire, Chromium-Silicon Alloy

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A401 Grade 9254 Steel Wire, Chromium-Silicon Alloy

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

Grade Belongs to the Industry - Wire

Chemical Composition		
Carbon	C %	0.510 - 0.590
Manganese	Mn %	0.600 - 0.800
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 max.
Silicon	Si %	1.200 - 1.600
Chromium	Cr %	0.600 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	1530 - 1710
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	30 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G92540	UNS	USA	Wire
A 877 G92540	ASTM	USA	Wire
A 752 Grade 9254	ASTM	USA	Wire
9254.0000	AISI	USA	Steel
683-14 55 SiCr 63	ISO	International	Steel
1.7106	DIN	Germany	Steel
970-2 685 S 57	B.S.	United Kingdom	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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