

Material: ONORM 1.0300

Standard Specification For General Requirements for Wire Rods, Coarse Round Wire and Carbon Steel

Group: Ferrous Mild Steel Alloys

Sub Group: ONORM 1.0300 General Requirements for Wire Rods, Coarse Round Wire and Carbon Steel

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Wire Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 max.	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Aluminium	Al %	0.010 max.		
Silicon	Si %	0.300 max.		
Molybdenum	Mo %	0.050 max.		
Nickel	Ni %	0.250 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	270 - 330
-	-	-	Yield Strength in Mpa	140 - 180
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10050	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1005	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1005	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1005	ASTM	USA	Bar
A 510 1005	ASTM	USA	Wire Rod
A 1040 1005	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1.0312	ONORM	Australia	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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