

Material: BS 46 CrS 2

Standard Specification for Mild Steel Alloys Bar and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: BS 46 CrS 2 Mild Steel Alloys Bar and Rod

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

Grade Belongs to the Industry: Bar and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.420 - 0.500	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.020 - 0.040		
Chromium	Cr %	0.400 - 0.600		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 650 - 1100 Yield Strength in Mpa 400 min. Elongation in % 12 min. Reduction of Area in % 35 min. Hardness in BHN 255 max. Impact in Joule 30 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
46Cr2	EN	European Union	Bar and Rod
1.7006	EN	European Union	Bar and Rod
46 Cr 2 E	ISO	International	Bar and Rod
46 Cr 2 E	JIS	Japan	Bar and Rod
1.7025	AFNOR NF	France	Bar and Rod
46 CrS 2	AFNOR NF	France	Bar and Rod
1.7025	BS	British	Bar and Rod

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com