

Brass Round Rod



Commodity		BRASS ROUND ROD									
IS319 : GRADE1 & GRADE2											
S.No	Constituent			Grade 1			Grade 2				
1	Copper			56.0 – 59.0 %			60.0 – 63.0 %				
2	Lead			2.02 – 3.50 %			2.50 – 3.70 %				
3	Iron (Max)			0.35 %			0.35%				
4	Other Impurties (Excluding Iron) Max			0.70 %			0.50 %				
5	Zinc			Reminder			Reminder				
IS		ISO		UNS		EN		BS		JIS	
IS 319 Gr II		CuZn36Pb3		C36000 C35600 C36010		CW603N		CZ124		C3601 C3602	
IS 319 Gr I		CuZn39Pb3		C38500		CW614N		CZ121PB3		C3603 C3604	
S.No	Condition	Size		Tensil Strength Min, MPa (1N=mm² 0.102 kgf/mm² =1 MPa)		Elongation on Gauge length 5.65, %A, Present, Min		Hardness Properties (Vickers Hardness(HV))			
		Over	Up to & Including	Grade 1	Grade 2	Grade 1	Grade 2	Grade 1	Grade 2		
1	Anneled (O)	6	25	345	325	12	15	100 Max	90 Max		
		25	50	315	305	17	20				
		50	0	285	325	22	25				
2	Half Hard (HB)6	6	12	405	395	4	7	125-155	120-150		
		12	25	395	385	6	10	120-150	115-145		
		25	50	355	345	12	15	110-140	100-130		
		50	-	325	315	17	20	100-130	90-120		
3	Hard (HD)	6	12	550	510	-	-	160-185	155-185		
		12	25	490	485	4	-	155-180	145-175		
Outer Dia					Length						
2.0 – 406mm					1000 – 6000mm						
Polished											
HDPE – SEA WORTHY PACKING											
• Automotive and transportation... • Medical technology. ... • Building trade. ... • Aircraft construction. ... • Food and the catering industry. ... • Vessel manufacture...											