

9.5MM ALUMINUM WIRE ROD

Aluminum Rod



Aluminum rod for electrical purposes meets or exceed the following ASTM specifications:

B211-Aluminum and Aluminum Alloy Bar, Rod and Wire B233-Aluminum Rod, 1350-H12, Drawing Stock.



DIAMETER TOLERANCE OF 9.5 MM ALUMINUM WIRE ROD

Specified Diameter in. (mm)	Deviation of Mean Diameter from Specified Diameter Tolerance, in. (mm)
0.375-0.500 (9.52-12.70)	0.020 (0.51)
0.501-1.000 (12.73-25.40)	0.025 (0.64)

CHEMICAL COMPOSITION in % OF 9.5 MM ALUMINUM WIRE ROD

Si	Fe	Cu	Mn	Cr	Zn	B	Ga	V+Ti	Others		Al(Min.)
									Each	Total	
<0.10	<0.4	<0.05	<0.01	<0.01	<0.05	<0.05	<0.03	<0.02	<0.03	<0.10	>99.50

TENSILE STRENGTH LIMITS OF 9.5 MM ALUMINUM WIRE ROD

Temper	KSI	Mpa	Resistivity Ω .mm ² /m, max	Conductivity %IACS, min
1350-O	8.5-14.0	59-97	0.027899	61.8
1350-H12 and-H22	12.0-17.0	83-117	0.028035	61.5
1350-H12 and-H22	15.0-20.0	103-138	0.028080	61.4
1350-H12 and-H22	17.0-22.0	117-152	0.028126	61.3