

DURMAT[®] TINNING-RODS

Classifications:

AWS	ASME	BS
A5.27 (1978)	SFA-5.27 (1978)	1453 C5
A5.8 (1981)	SFA-5.8 (1981)	
RBCuZn-A	RBCuZn-D	

General characteristics:

DURMAT-TINNING-RODS are fume reduced nickel bronze rods containing 10% nickel developed for oxyacetylene welding. Coatings have high mechanical properties and are used in preference to other welding alloys; especially the nickel color (silver) should be matched. One of DURMAT-TINNING-RODS unique applications is a binder for the sintered tungsten carbide particles with DURMAT-CS.

Application:

Deposits on drilling tools & equipment used in oil & gas well drilling, for tinning & filling in combination with DURMAT-CS.

Chemical composition (in wt-%):

Cu	Ni	Si	Zn
48	10	0.10	Balance

Physical characteristics:

Hardness:	74 HRB; 120 HB
Melting point:	915°C (1,680°F)
Solidification point:	905°C (1,661°F)
Average tensile strength:	505 test: 70,000 psi
Average elongation:	25%