

# Nanocrystalline

## Nanocrystalline and Amorphous

### Ni Basic Brazingc Materials

Brand	Composition (%)							Alloy Melting Point (°C)		Brazing Temperature (°C)
	Cr	B	Si	P	Fe	C	Other	Solid-Phase Temperature	Liquid-Phase Temperature	
TIE-C-AN220	13.0/15.0	2.75/3.5	4.0/5.0	-	4.0/5.0	0.6/0.9	0.5	977	1038	1065~1205
TIE-C-AN221	13.0/15.0	2.75/3.5	4.0/5.0	-	4.0/5.0	0.06	0.5	977	1077	1077-1205
TIE-C-AN222	6.0/8.0	2.75/3.5	4.0/5.0	-	2.5/3.5	0.06	0.5	971	999	1010-1080
TIE-C-AN223	-	2.75/3.5	4.0/5.0	-	0.5	0.06	0.5	982	1038	1010-1080
TIE-C-AN224	-	1.50/2.2	3.0-4.0	-	1.5	0.06	0.5	982	1066	1010-1180
TIE-C-AN225	18.5/195	-	9.75/10.75	-	-	0.10	0.5	1079	1135	1150-1205
TIE-C-AN226	-	-	-	10.0/12.0	-	0.10	0.5	877	877	930-1095
TIE-C-AN227	13.5/15.5	-	-	9.7/10.5	-	0.10	0.5	888	888	930-1095
TIE-C-AN228	-	-	6.0/8.0	-	-	0.10	-	982	1010	1010-1095
TIE-C-AN229	15.0	3.5	-	-	-	0.10	0.5	1055	1055	1065-1200
TIE-C-AN230	10.0	2.0	2.5	-	2.5	0.45	0.5	970	1160	1150-1200
TIE-C-AN231	11.5	2.5	3.25	-	3.75	0.55	16W	970	1160	1150-1200
TIE-C-AN232	10.0	2.5	3.5	-	3.5	0.4	12W	970	1095	1150-1200
TIE-C-AN233	6.0/8.0	3.2	3.5	-	3.0	0.1	10W	975	1040	1065-1175
TIE-C-AN234	25.0	3.0	2.75	-	2.0	0.75	-	1040	1120	1175-1230