

## 16. Temperature Correction Factor (TCF)

## 9-16. Temperature Correction Factor (TCF)

## 1) TCF of TN, BN, BE, TE grade

(Unit : °C)

Temp	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
5	2.134	2.125	2.117	2.108	2.100	2.091	2.083	2.074	2.066	2.058
6	2.049	2.041	2.033	2.025	2.017	2.009	2.001	1.993	1.985	1.977
7	1.969	1.961	1.953	1.945	1.937	1.930	1.922	1.914	1.907	1.899
8	1.892	1.884	1.877	1.869	1.862	1.855	1.847	1.840	1.833	1.825
9	1.818	1.811	1.804	1.797	1.790	1.783	1.776	1.769	1.762	1.755
10	1.748	1.741	1.734	1.728	1.721	1.714	1.707	1.701	1.694	1.688
11	1.681	1.675	1.668	1.662	1.655	1.649	1.642	1.636	1.630	1.623
12	1.617	1.611	1.605	1.598	1.592	1.586	1.580	1.574	1.568	1.562
13	1.556	1.550	1.544	1.538	1.532	1.526	1.521	1.515	1.509	1.503
14	1.498	1.492	1.486	1.481	1.475	1.469	1.464	1.458	1.453	1.447
15	1.442	1.436	1.431	1.425	1.420	1.415	1.409	1.404	1.399	1.394
16	1.388	1.383	1.378	1.373	1.368	1.363	1.357	1.352	1.347	1.342
17	1.337	1.332	1.327	1.322	1.318	1.313	1.308	1.303	1.298	1.293
18	1.288	1.284	1.279	1.274	1.270	1.265	1.260	1.256	1.251	1.246
19	1.242	1.237	1.233	1.228	1.224	1.219	1.215	1.210	1.206	1.201
20	1.197	1.193	1.188	1.184	1.180	1.175	1.171	1.167	1.163	1.158
21	1.154	1.150	1.146	1.142	1.138	1.133	1.129	1.125	1.121	1.117
22	1.113	1.109	1.105	1.101	1.097	1.093	1.089	1.085	1.082	1.078
23	1.074	1.070	1.066	1.062	1.059	1.055	1.051	1.047	1.044	1.040
24	1.036	1.032	1.029	1.025	1.021	1.018	1.014	1.011	1.007	1.004
25	1.000	0.996	0.993	0.989	0.986	0.983	0.979	0.976	0.972	0.969
26	0.970	0.967	0.964	0.961	0.958	0.955	0.952	0.949	0.946	0.943
27	0.940	0.937	0.935	0.932	0.929	0.926	0.923	0.920	0.918	0.915
28	0.912	0.909	0.906	0.904	0.901	0.898	0.896	0.893	0.890	0.887
29	0.885	0.882	0.879	0.877	0.874	0.872	0.869	0.866	0.864	0.861
30	0.859	0.856	0.853	0.851	0.848	0.846	0.843	0.841	0.838	0.836
31	0.833	0.831	0.828	0.826	0.823	0.821	0.819	0.816	0.814	0.811
32	0.809	0.806	0.804	0.802	0.799	0.797	0.795	0.792	0.790	0.788
33	0.785	0.783	0.781	0.778	0.776	0.774	0.772	0.769	0.767	0.765
34	0.763	0.760	0.758	0.756	0.754	0.752	0.749	0.747	0.745	0.743
35	0.741	0.739	0.736	0.734	0.732	0.730	0.728	0.726	0.724	0.722
36	0.720	0.718	0.716	0.713	0.711	0.709	0.707	0.705	0.703	0.701
37	0.699	0.697	0.695	0.693	0.691	0.689	0.687	0.685	0.683	0.682
38	0.680	0.678	0.676	0.674	0.672	0.670	0.668	0.666	0.664	0.662
39	0.661	0.659	0.657	0.655	0.653	0.651	0.649	0.648	0.646	0.644
40	0.642	0.640	0.639	0.637	0.635	0.633	0.631	0.630	0.628	0.626

## 16. Temperature Correction Factor (TCF)

## 2) TCF of FE grade

(Unit : °C)

Temp	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
5	2.328	2.317	2.307	2.297	2.286	2.276	2.266	2.255	2.245	2.235
6	2.225	2.215	2.205	2.195	2.186	2.176	2.166	2.156	2.147	2.137
7	2.128	2.118	2.109	2.099	2.090	2.081	2.072	2.062	2.053	2.044
8	2.035	2.026	2.017	2.008	1.999	1.991	1.982	1.973	1.964	1.956
9	1.947	1.939	1.930	1.922	1.913	1.905	1.897	1.888	1.880	1.872
10	1.864	1.856	1.847	1.839	1.831	1.823	1.815	1.808	1.800	1.792
11	1.784	1.776	1.769	1.761	1.754	1.746	1.738	1.731	1.724	1.716
12	1.709	1.701	1.694	1.687	1.680	1.672	1.665	1.658	1.651	1.644
13	1.637	1.630	1.623	1.616	1.609	1.602	1.595	1.589	1.582	1.575
14	1.569	1.562	1.555	1.549	1.542	1.536	1.529	1.523	1.516	1.510
15	1.504	1.497	1.491	1.485	1.478	1.472	1.466	1.460	1.454	1.448
16	1.442	1.436	1.430	1.424	1.418	1.412	1.406	1.400	1.394	1.388
17	1.383	1.377	1.371	1.366	1.360	1.354	1.349	1.343	1.337	1.332
18	1.326	1.321	1.316	1.310	1.305	1.299	1.294	1.289	1.283	1.278
18	1.326	1.321	1.316	1.310	1.305	1.299	1.294	1.289	1.283	1.278
20	1.222	1.217	1.212	1.207	1.202	1.197	1.192	1.188	1.183	1.178
21	1.173	1.169	1.164	1.159	1.154	1.150	1.145	1.141	1.136	1.131
22	1.127	1.122	1.118	1.113	1.109	1.104	1.100	1.096	1.091	1.087
23	1.083	1.078	1.074	1.070	1.065	1.061	1.057	1.053	1.049	1.044
24	1.040	1.036	1.032	1.028	1.024	1.020	1.016	1.012	1.008	1.004
25	1.000	0.996	0.992	0.988	0.984	0.981	0.977	0.973	0.969	0.965
26	0.972	0.970	0.967	0.964	0.962	0.959	0.956	0.954	0.951	0.948
27	0.946	0.943	0.940	0.938	0.935	0.933	0.930	0.927	0.925	0.922
28	0.920	0.917	0.915	0.912	0.910	0.907	0.905	0.902	0.900	0.897
29	0.895	0.892	0.890	0.888	0.885	0.883	0.880	0.878	0.875	0.873
30	0.871	0.868	0.866	0.864	0.861	0.859	0.857	0.854	0.852	0.850
31	0.847	0.845	0.843	0.841	0.838	0.836	0.834	0.832	0.829	0.827
32	0.825	0.823	0.820	0.818	0.816	0.814	0.812	0.810	0.807	0.805
33	0.803	0.801	0.799	0.797	0.795	0.792	0.790	0.788	0.786	0.784
34	0.782	0.780	0.778	0.776	0.774	0.772	0.770	0.768	0.766	0.764
35	0.762	0.760	0.758	0.756	0.754	0.752	0.750	0.748	0.746	0.744
36	0.742	0.740	0.738	0.736	0.734	0.732	0.730	0.728	0.726	0.725
37	0.723	0.721	0.719	0.717	0.715	0.713	0.712	0.710	0.708	0.706
38	0.704	0.702	0.701	0.699	0.697	0.695	0.693	0.692	0.690	0.688
39	0.686	0.685	0.683	0.681	0.679	0.678	0.676	0.674	0.672	0.671
40	0.669	0.667	0.666	0.664	0.662	0.660	0.659	0.657	0.655	0.654

# 9

## Appendix

### 16. Temperature Correction Factor (TCF)

#### 3) TCF of BL, FL grade

(unit: ℃)

Temp	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
5	2.093	2.085	2.077	2.069	2.060	2.052	2.044	2.036	2.028	2.020
6	2.012	2.004	1.997	1.989	1.981	1.973	1.966	1.958	1.950	1.943
7	1.935	1.927	1.920	1.913	1.905	1.898	1.890	1.883	1.876	1.868
8	1.861	1.854	1.847	1.840	1.833	1.826	1.819	1.812	1.805	1.798
9	1.791	1.784	1.777	1.770	1.763	1.757	1.750	1.743	1.737	1.730
10	1.723	1.717	1.710	1.704	1.697	1.691	1.684	1.678	1.672	1.665
11	1.659	1.653	1.646	1.640	1.634	1.628	1.622	1.616	1.610	1.603
12	1.597	1.591	1.585	1.579	1.574	1.568	1.562	1.556	1.550	1.544
13	1.539	1.533	1.527	1.521	1.516	1.510	1.504	1.499	1.493	1.488
14	1.482	1.477	1.471	1.466	1.460	1.455	1.450	1.444	1.439	1.434
15	1.428	1.423	1.418	1.413	1.407	1.402	1.397	1.392	1.387	1.382
16	1.377	1.372	1.367	1.362	1.357	1.352	1.347	1.342	1.337	1.332
17	1.327	1.323	1.318	1.313	1.308	1.304	1.299	1.294	1.289	1.285
18	1.280	1.276	1.271	1.266	1.262	1.257	1.253	1.248	1.244	1.239
19	1.235	1.230	1.226	1.222	1.217	1.213	1.209	1.204	1.200	1.196
20	1.192	1.187	1.183	1.179	1.175	1.171	1.166	1.162	1.158	1.154
21	1.150	1.146	1.142	1.138	1.134	1.130	1.126	1.122	1.118	1.114
22	1.110	1.106	1.102	1.098	1.095	1.091	1.087	1.083	1.079	1.076
23	1.072	1.068	1.064	1.061	1.057	1.053	1.050	1.046	1.042	1.039
24	1.035	1.032	1.028	1.024	1.021	1.017	1.014	1.010	1.007	1.003
25	1.000	0.997	0.993	0.990	0.986	0.983	0.980	0.976	0.973	0.970
26	0.971	0.968	0.965	0.962	0.959	0.956	0.953	0.951	0.948	0.945
27	0.942	0.939	0.937	0.934	0.931	0.928	0.926	0.923	0.920	0.918
28	0.915	0.912	0.910	0.907	0.904	0.902	0.899	0.896	0.894	0.891
29	0.888	0.886	0.883	0.881	0.878	0.876	0.873	0.871	0.868	0.866
30	0.863	0.861	0.858	0.856	0.853	0.851	0.848	0.846	0.843	0.841
31	0.838	0.836	0.834	0.831	0.829	0.827	0.824	0.822	0.819	0.817
32	0.815	0.812	0.810	0.808	0.806	0.803	0.801	0.799	0.796	0.794
33	0.792	0.790	0.787	0.785	0.783	0.781	0.779	0.776	0.774	0.772
34	0.770	0.768	0.765	0.763	0.761	0.759	0.757	0.755	0.753	0.751
35	0.748	0.746	0.744	0.742	0.740	0.738	0.736	0.734	0.732	0.730
36	0.728	0.726	0.724	0.722	0.720	0.718	0.716	0.714	0.712	0.710
37	0.708	0.706	0.704	0.702	0.700	0.698	0.696	0.694	0.692	0.690
38	0.689	0.687	0.685	0.683	0.681	0.679	0.677	0.675	0.674	0.672
39	0.670	0.668	0.666	0.664	0.663	0.661	0.659	0.657	0.656	0.654
40	0.652	0.650	0.648	0.647	0.645	0.643	0.641	0.640	0.638	0.636