

**Temperature Correlation Chart for BPCDs**  
*Place • Measure • Improve*

<b>Product Code:</b> BPCD-LT3.5	<b>Diameter:</b> 20mm
<b>Product Type:</b> BPCD Low Temperature	<b>Nominal Thickness:</b> 3.5mm
<b>Temperature Range:</b> 900°C - 1150°C	<b>Disc Colour:</b> Brown

Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C	Disc Diameter mm	Disc Temperature °C
19.95	900	19.67	999	19.39	1040	19.07	1071	18.74	1099	18.46	1129
19.94	903	19.66	1001	19.38	1041	19.06	1072	18.73	1100	18.45	1130
19.93	907	19.65	1003	19.37	1043	19.05	1073	18.72	1101	18.44	1131
19.92	911	19.64	1004	19.36	1044	19.04	1074	18.71	1102	18.43	1133
19.91	915	19.63	1006	19.35	1045	19.03	1075	18.70	1103	18.42	1134
19.90	919	19.62	1007	19.34	1047	19.01	1076	18.69	1104	18.41	1135
19.89	923	19.61	1008	19.33	1048	19.00	1077	18.68	1105	18.40	1136
19.88	928	19.60	1010	19.32	1050	18.99	1078	18.67	1106	18.39	1137
19.87	932	19.59	1011	19.31	1051	18.98	1079	18.66	1108	18.38	1138
19.86	936	19.58	1013	19.30	1052	18.97	1080	18.65	1109	18.37	1139
19.85	940	19.57	1014	19.28	1053	18.95	1081	18.64	1110	18.36	1140
19.84	944	19.56	1016	19.27	1054	18.94	1082	18.63	1111	18.35	1141
19.83	948	19.55	1017	19.26	1055	18.93	1083	18.62	1112	18.34	1142
19.82	952	19.54	1018	19.25	1056	18.92	1084	18.61	1113	18.33	1144
19.81	955	19.53	1020	19.24	1057	18.91	1085	18.60	1114	18.32	1145
19.80	958	19.52	1021	19.23	1058	18.90	1086	18.59	1115	18.31	1146
19.79	961	19.51	1023	19.21	1059	18.88	1087	18.58	1116	18.30	1147
19.78	965	19.50	1024	19.20	1060	18.87	1088	18.57	1117	18.29	1148
19.77	968	19.49	1026	19.19	1061	18.86	1089	18.56	1118	18.28	1149
19.76	971	19.48	1027	19.18	1062	18.85	1090	18.55	1120	18.27	1150
19.75	974	19.47	1028	19.17	1063	18.84	1091	18.54	1121		
19.74	977	19.46	1030	19.15	1064	18.82	1092	18.53	1122		
19.73	980	19.45	1031	19.14	1065	18.81	1093	18.52	1123		
19.72	983	19.44	1033	19.13	1066	18.80	1094	18.51	1124		
19.71	986	19.43	1034	19.12	1067	18.79	1095	18.50	1125		
19.70	990	19.42	1036	19.11	1068	18.78	1096	18.49	1126		
19.69	993	19.41	1037	19.10	1069	18.77	1097	18.48	1127		
19.68	996	19.40	1038	19.08	1070	18.75	1098	18.47	1128		

**NOTES**

- 1) Bullers™ Process Control Discs (BPCDs) are specially manufactured to react to 'Heat Work' or 'Heat Energy' rather than temperature alone. 'Heat Work' is the effect of temperature, time and kiln loading on a ceramic product.
- 2) 'Disc Temperature' referred to in the above Temperature Correlation Chart is only **approximate** and acts as a guide to a kiln's peak firing temperature. 'Disc Temperature' is an easy and useful way to compare against historical results but is not necessarily the same as the actual kiln temperature.
- 3) Mantec Technical Ceramics recommend that customers always describe their kiln firings in terms of 'Disc Diameter' rather than 'Disc Temperature' in order to avoid confusion with true kiln temperatures measured by thermocouples.
- 4) Due to differing firing rates, soak times, air flow, kiln loadings and kiln atmospheres, the actual performance of BPCDs, when used by the customer, may be different from the above Temperature Correlation Chart, which Mantec Technical Ceramics have determined under strictly controlled firing conditions.