

H1170 (BLACK)规格书 (Line-up)

基板 CCL: H1170 (BLACK)
半固化片 PP: H1170P (BLACK)

1、Only E-Glass Type CCL: H1170 (BLACK)

Core Thickness		Standard Construction	RC(%)	Dk				Df			
mil	mm			1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
2.0	0.051	106X1	72	3.88	3.76	3.59	3.53	0.0156	0.0159	0.0167	0.0181
2.5	0.064	1080X1	59	4.22	4.10	3.95	3.89	0.0150	0.0154	0.0161	0.0173
3.0	0.076	1080X1	65	4.07	3.94	3.78	3.72	0.0153	0.0156	0.0164	0.0177
		1086X1	62	4.14	4.02	3.87	3.81	0.0151	0.0155	0.0162	0.0175
3.5	0.089	2113X1	53	4.38	4.25	4.11	4.05	0.0147	0.0151	0.0158	0.0170
4.0	0.102	2113X1	58	4.25	4.12	3.98	3.92	0.0149	0.0153	0.0160	0.0173
4.2	0.107	2116X1	49	4.49	4.36	4.22	4.16	0.0145	0.0150	0.0156	0.0167
4.5	0.114	2116X1	51	4.44	4.30	4.17	4.11	0.0146	0.0150	0.0157	0.0169
5.1	0.13	2116x1	55	4.33	4.20	4.06	4.00	0.0148	0.0152	0.0159	0.0171
6.1	0.16	1506X1	45	4.60	4.46	4.34	4.27	0.0143	0.0148	0.0154	0.0165
7.2	0.18	7628X1	43	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164
8.0	0.20	7628X1	47	4.54	4.41	4.28	4.22	0.0144	0.0149	0.0155	0.0166
9.0	0.23	2116X2	51	4.44	4.30	4.17	4.11	0.0146	0.0150	0.0157	0.0169
10.0	0.25	2116X2	55	4.33	4.20	4.06	4.00	0.0148	0.0152	0.0159	0.0171
12.0	0.31	1506X2	45	4.60	4.46	4.34	4.27	0.0143	0.0148	0.0154	0.0165
14.0	0.36	7628X2	43	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164
15.0	0.38	7628X2	44	4.62	4.48	4.36	4.30	0.0142	0.0148	0.0153	0.0164
16.0	0.41	7628X2	47	4.54	4.41	4.28	4.22	0.0144	0.0149	0.0155	0.0166
18.0	0.46	7628X2+2116X1	43	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164
20.0	0.51	7628X2+2116X1	45.6	4.58	4.44	4.32	4.26	0.0143	0.0148	0.0154	0.0165
21.0	0.53	7628X3	43	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164
24.0	0.61	7628X3	45	4.60	4.46	4.34	4.27	0.0143	0.0148	0.0154	0.0165
		7628X2+2116X2	47	4.54	4.41	4.28	4.22	0.0144	0.0149	0.0155	0.0166
26.0	0.66	7628X2+1506X2	44	4.62	4.48	4.36	4.30	0.0142	0.0148	0.0153	0.0164
28.0	0.71	7628X4	43	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164
32.0	0.81	7628X4+2116X1	44	4.62	4.48	4.36	4.30	0.0142	0.0148	0.0153	0.0164
34.3	0.87	7628X5	42	4.67	4.53	4.42	4.36	0.0141	0.0147	0.0152	0.0163
40.0	1.02	7628X6	41	4.70	4.56	4.45	4.38	0.0141	0.0146	0.0152	0.0163
43.0	1.09	7628X6	43	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164
47.0	1.19	7628X7	41	4.70	4.56	4.45	4.38	0.0141	0.0146	0.0152	0.0163
49.0	1.25	7628X7	42	4.67	4.53	4.42	4.36	0.0141	0.0147	0.0152	0.0163
51.0	1.30	7628X7	43.5	4.63	4.50	4.38	4.32	0.0142	0.0147	0.0153	0.0164
53.0	1.35	7628X7	45.5	4.58	4.44	4.32	4.26	0.0143	0.0148	0.0154	0.0165
55.0	1.40	7628X8	41	4.70	4.56	4.45	4.38	0.0141	0.0146	0.0152	0.0163
57.0	1.45	7628X8	42.5	4.66	4.52	4.31	4.34	0.0141	0.0147	0.0152	0.0164
59.1	1.50	7628X8	44	4.62	4.48	4.36	4.30	0.0142	0.0148	0.0153	0.0164

1、Only E-Glass Type CCL: H1170 (BLACK)

Core Thickness		Standard Construction	RC(%)	Dk				Df			
mil	mm			1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
61.0	1.55	7628X8	45.5	4.58	4.44	4.32	4.26	0.0143	0.0148	0.0154	0.0165
63.0	1.60	7628X9	41.5	4.69	4.55	4.43	4.37	0.0141	0.0147	0.0152	0.0163
65.0	1.65	7628X9	43	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164



2、Only E-Glass Type PP: H1170P (BLACK)

GLASS Type	RC	Pressed Thickness		Dk				Df			
	%	mil	mm	1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
106	73	0.052	2.05	3.85	3.74	3.56	3.50	0.0157	0.0159	0.0168	0.0182
	75	0.056	2.20	3.80	3.69	3.51	3.45	0.0158	0.0160	0.0169	0.0183
1080	68	0.085	3.35	3.99	3.87	3.70	3.64	0.0154	0.0157	0.0165	0.0179
	65	0.077	3.03	4.07	3.94	3.78	3.72	0.0153	0.0156	0.0164	0.0177
	63	0.072	2.83	4.12	4.00	3.84	3.78	0.0152	0.0155	0.0163	0.0176
2113	60	0.107	4.21	4.20	4.07	3.92	3.86	0.0150	0.0154	0.0161	0.0174
	58	0.101	3.98	4.25	4.12	3.98	3.92	0.0149	0.0153	0.0160	0.0173
	56	0.095	3.74	4.30	4.18	4.03	3.97	0.0148	0.0152	0.0159	0.0172
2116	60	0.144	5.67	4.20	4.07	3.92	3.86	0.0150	0.0154	0.0161	0.0174
	58	0.136	5.35	4.25	4.12	3.98	3.92	0.0149	0.0153	0.0160	0.0173
	55	0.124	4.88	4.33	4.20	4.06	4.00	0.0148	0.0152	0.0159	0.0171
	53	0.118	4.65	4.38	4.25	4.11	4.05	0.0147	0.0151	0.0158	0.0170
1506	50	0.172	6.77	4.46	4.33	4.20	4.14	0.0145	0.0150	0.0156	0.0168
	48	0.164	6.46	4.52	4.38	4.25	4.19	0.0144	0.0149	0.0155	0.0167
7628	52	0.231	9.09	4.41	4.28	4.14	4.08	0.0146	0.0151	0.0157	0.0169
	50	0.219	8.62	4.46	4.33	4.20	4.14	0.0145	0.0150	0.0156	0.0168
	48	0.209	8.23	4.52	4.38	4.25	4.19	0.0144	0.0149	0.0155	0.0167
	45	0.194	7.64	4.60	4.46	4.34	4.27	0.0143	0.0148	0.0154	0.0165
	43	0.185	7.28	4.65	4.51	4.39	4.33	0.0142	0.0147	0.0153	0.0164

Remark: 1. The above data is for your reference only.

2. Please contact WAZAM sale and TS team if need more Laminates type.