

# H175HF 规格书(Line-up)

基板 CCL: H175HF

半固化片 PP: H175HFPP

1、Only E-Glass Type CCL: H175HF

Core Thickness		Standard Construction	RC (%)	Dk				Df			
mil	mm			1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
2.0	0.051	1067X1	66	3.93	3.89	3.84	3.80	0.0116	0.0120	0.0126	0.0135
		106X1	71	3.77	3.73	3.68	3.64	0.0119	0.0123	0.0130	0.0139
2.5	0.064	1067X1	71	3.77	3.73	3.68	3.64	0.0119	0.0123	0.0130	0.0139
		106X1	76	3.62	3.58	3.52	3.48	0.0122	0.0127	0.0134	0.0143
3.0	0.076	1086X1	61	4.08	4.04	3.99	3.96	0.0112	0.0117	0.0122	0.0131
		1080X1	64	3.99	3.95	3.90	3.86	0.0114	0.0119	0.0124	0.0133
		1078X1	64	3.99	3.95	3.90	3.86	0.0114	0.0119	0.0124	0.0133
3.5	0.089	3313X1	50	4.42	4.38	4.33	4.30	0.0105	0.0109	0.0114	0.0122
		2113X1	53	4.33	4.29	4.24	4.21	0.0107	0.0111	0.0116	0.0124
		1037X2	70	3.80	3.76	3.71	3.67	0.0118	0.0123	0.0129	0.0138
4.0	0.102	3313X1	55	4.27	4.23	4.18	4.14	0.0109	0.0112	0.0118	0.0126
		2113X1	59	4.14	4.10	4.05	4.02	0.0111	0.0115	0.0121	0.0129
		1067X2	66	3.93	3.89	3.84	3.80	0.0116	0.0120	0.0126	0.0135
		106X2	71	3.77	3.73	3.68	3.64	0.0119	0.0123	0.0130	0.0139
4.2	0.107	2116X1	48	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
4.5	0.114	2116X1	52	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123
		1067X2	70	3.80	3.76	3.71	3.67	0.0118	0.0123	0.0129	0.0138
5.0	0.127	2116X1	55	4.27	4.23	4.18	4.14	0.0109	0.0112	0.0118	0.0126
		1080X2	59	4.14	4.10	4.05	4.02	0.0111	0.0115	0.0121	0.0129
		1067X2	72	3.74	3.70	3.65	3.61	0.0120	0.0124	0.0131	0.0139
5.5	0.140	1652X1	48	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
		1086X2	58	4.17	4.13	4.08	4.05	0.0110	0.0115	0.0120	0.0128
		1080X2	62	4.05	4.01	3.96	3.92	0.0113	0.0117	0.0123	0.0131
6.0	0.152	1652X1	52	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123
		1080X2	64	3.99	3.95	3.90	3.86	0.0114	0.0119	0.0124	0.0133
		1078X2	64	3.99	3.95	3.90	3.86	0.0114	0.0119	0.0124	0.0133
		1086X2	61	4.08	4.04	3.99	3.96	0.0112	0.0117	0.0122	0.0131
6.2	0.157	1506X1	45	4.58	4.53	4.49	4.46	0.0102	0.0106	0.0110	0.0118
6.5	0.165	1506X1	48	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
7.0	0.178	3313X2	50	4.42	4.38	4.33	4.30	0.0105	0.0109	0.0114	0.0122
		2113X2	53	4.33	4.29	4.24	4.21	0.0107	0.0111	0.0116	0.0124
7.2	0.183	7628X1	43	4.64	4.60	4.55	4.52	0.0101	0.0104	0.0108	0.0116
8.0	0.203	7628X1	46	4.55	4.50	4.46	4.43	0.0103	0.0106	0.0111	0.0119
		2113X2	59	4.14	4.10	4.05	4.02	0.0111	0.0115	0.0121	0.0129
		3313X2	55	4.27	4.23	4.18	4.14	0.0109	0.0112	0.0118	0.0126
9.0	0.229	2116X2	52	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123

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Core Thickness		Standard Construction	RC (%)	Dk				Df			
mil	mm			1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
10.0	0.254	2116X2	55	4.27	4.23	4.18	4.14	0.0109	0.0112	0.0118	0.0126
11.0	0.279	1652X2	48	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
12.0	0.305	2116X3	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
		1506X2	45	4.58	4.53	4.49	4.46	0.0102	0.0106	0.0110	0.0118
13.0	0.330	1506X1	48	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
14.0	0.356	2116X3	53	4.33	4.29	4.24	4.21	0.0107	0.0111	0.0116	0.0124
		7628X2	43	4.64	4.60	4.55	4.52	0.0101	0.0104	0.0108	0.0116
15.0	0.381	7628X2	44	4.61	4.56	4.52	4.49	0.0101	0.0105	0.0109	0.0117
		2116X3	55	4.27	4.23	4.18	4.14	0.0109	0.0112	0.0118	0.0126
16.0	0.406	7628X2	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
		1652X3	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
		2116X4	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
18.0	0.457	7628X2+1080X1	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
		1652X3	51.5	4.37	4.33	4.29	4.26	0.0106	0.0110	0.0115	0.0123
		2116X4	52	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123
20.0	0.508	7628X2+2116X1	46.5	4.53	4.49	4.44	4.41	0.0103	0.0107	0.0111	0.0119
		2116X5	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
21.0	0.533	7628X3	43	4.64	4.60	4.55	4.52	0.0101	0.0104	0.0108	0.0116
		1652X4	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
		2116X5	48	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
24.0	0.610	7628X3	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
		1652X4	52	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123
		2116X6	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
26.0	0.660	7628X2+1506X2	43	4.64	4.60	4.55	4.52	0.0101	0.0104	0.0108	0.0116
		1652X5	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
		2116X6	51	4.39	4.35	4.30	4.27	0.0106	0.0110	0.0115	0.0123
28.0	0.711	7628X4	43	4.64	4.60	4.55	4.52	0.0101	0.0104	0.0108	0.0116
		1652X5	49	4.45	4.41	4.37	4.33	0.0105	0.0108	0.0113	0.0121
		2116X7	47	4.51	4.47	4.43	4.40	0.0103	0.0107	0.0111	0.0119
37.0	0.940	7628X5	43.2	4.64	4.59	4.55	4.51	0.0100	0.0104	0.0110	0.0114
46.0	1.168	7628X6	45	4.59	4.55	4.50	4.47	0.0101	0.0105	0.0111	0.0115

2、Only E-Glass Type PP: H175HFPP

GLASS Type	RC	Pressed Thickness		Dk				Df			
	%	mil	mm	1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
1037	71	2.0	0.051	3.77	3.73	3.68	3.64	0.0119	0.0123	0.0130	0.0139
	76	2.4	0.061	3.62	3.58	3.52	3.48	0.0122	0.0127	0.0134	0.0143
106	71	2.0	0.051	3.77	3.73	3.68	3.64	0.0119	0.0123	0.0130	0.0139
	74	2.2	0.056	3.68	3.64	3.59	3.55	0.0121	0.0125	0.0132	0.0141
	76	2.4	0.061	3.62	3.58	3.52	3.48	0.0122	0.0127	0.0134	0.0143
1067	66	2.0	0.051	3.93	3.89	3.84	3.80	0.0116	0.0120	0.0126	0.0135
	69	2.2	0.056	3.83	3.79	3.74	3.70	0.0118	0.0122	0.0128	0.0137
	71	2.4	0.061	3.77	3.73	3.68	3.64	0.0119	0.0123	0.0130	0.0139
	74	2.6	0.066	3.68	3.64	3.59	3.55	0.0121	0.0125	0.0132	0.0141
	76	2.9	0.074	3.62	3.58	3.52	3.48	0.0122	0.0127	0.0134	0.0143
1080	64	3.0	0.076	3.99	3.95	3.90	3.86	0.0114	0.0119	0.0124	0.0133
	66	3.2	0.081	3.93	3.89	3.84	3.80	0.0116	0.0120	0.0126	0.0135
	68	3.4	0.086	3.86	3.83	3.77	3.74	0.0117	0.0121	0.0127	0.0136
	70	3.6	0.091	3.80	3.76	3.71	3.67	0.0118	0.0123	0.0129	0.0138
	72	3.8	0.097	3.74	3.70	3.65	3.61	0.0120	0.0124	0.0131	0.0140
1078	64	3.0	0.076	3.99	3.95	3.90	3.86	0.0114	0.0119	0.0124	0.0133
	66	3.2	0.081	3.93	3.89	3.84	3.80	0.0116	0.0120	0.0126	0.0135
	68	3.4	0.086	3.86	3.83	3.77	3.74	0.0117	0.0121	0.0127	0.0136
	70	3.6	0.091	3.80	3.76	3.71	3.67	0.0118	0.0123	0.0129	0.0138
	72	3.8	0.097	3.74	3.70	3.65	3.61	0.0120	0.0124	0.0131	0.0140
1086	61	3.0	0.076	4.08	4.04	3.99	3.96	0.0112	0.0117	0.0122	0.0131
	63	3.2	0.081	4.02	3.98	3.93	3.89	0.0114	0.0118	0.0124	0.0132
	66	3.5	0.089	3.93	3.89	3.84	3.80	0.0116	0.0120	0.0126	0.0135
	68	3.7	0.094	3.86	3.83	3.77	3.74	0.0117	0.0121	0.0127	0.0136
2113	56	3.8	0.097	4.24	4.20	4.15	4.11	0.0109	0.0113	0.0118	0.0127
	58	4.0	0.102	4.17	4.13	4.08	4.05	0.0110	0.0115	0.0120	0.0128
	60	4.2	0.107	4.11	4.07	4.02	3.99	0.0112	0.0116	0.0121	0.0130
	62	4.5	0.114	4.05	4.01	3.96	3.92	0.0113	0.0117	0.0123	0.0131
3313	55	4.0	0.102	4.27	4.23	4.18	4.14	0.0109	0.0112	0.0118	0.0126
	57	4.2	0.107	4.20	4.16	4.12	4.08	0.0110	0.0114	0.0119	0.0127
	59	4.4	0.112	4.14	4.10	4.05	4.02	0.0111	0.0115	0.0121	0.0129
	61	4.6	0.117	4.08	4.04	3.99	3.96	0.0112	0.0117	0.0122	0.0131

2、Only E-Glass Type PP: H175HFPP

GLASS Type	RC	Pressed Thickness		Dk				Df			
	%	mil	mm	1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
2116	52	4.5	0.114	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123
	55	5.0	0.127	4.27	4.23	4.18	4.14	0.0109	0.0112	0.0118	0.0126
	58	5.4	0.137	4.17	4.13	4.08	4.05	0.0110	0.0115	0.0120	0.0128
	60	5.7	0.145	4.11	4.07	4.02	3.99	0.0112	0.0116	0.0121	0.0130
	62	6.0	0.152	4.05	4.01	3.96	3.92	0.0113	0.0117	0.0123	0.0131
1506	48	6.5	0.165	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
	50	6.8	0.173	4.42	4.38	4.33	4.30	0.0105	0.0109	0.0114	0.0122
	52	7.2	0.183	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123
7628	46	7.8	0.198	4.55	4.50	4.46	4.43	0.0103	0.0106	0.0111	0.0119
	48	8.2	0.208	4.48	4.44	4.40	4.37	0.0104	0.0108	0.0112	0.0120
	50	8.6	0.218	4.42	4.38	4.33	4.30	0.0105	0.0109	0.0114	0.0122
	52	9.1	0.231	4.36	4.32	4.27	4.24	0.0107	0.0110	0.0115	0.0123

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

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