

VT-447

PROCESS GUIDE

Prepreg Availability

E-Glass styles: 7628, 1506, 1500, 2113, 2313, 3313, 2116, 1080, 1086, 1078, 106, 1067 etc.

PP Type	Resin Content	Press Thickness (mil)	DK				DF				Remark
			@ 1GHz	@ 2GHz	@ 5GHz	@ 10GHz	@ 1GHz	@ 2GHz	@ 5GHz	@ 10GHz	
7628	45%	7.60	4.34	4.29	4.24	4.24	0.012	0.013	0.013	0.014	Standard
1506	52%	7.00	4.13	4.08	4.03	4.03	0.013	0.014	0.014	0.015	Standard
2116	58%	5.30	3.96	3.91	3.86	3.86	0.014	0.015	0.015	0.016	Standard
2116	54%	4.80	4.07	4.02	3.97	3.97	0.014	0.015	0.015	0.016	Standard
2116	52%	4.60	4.13	4.08	4.03	4.03	0.013	0.014	0.014	0.015	Standard
2113	57%	3.90	3.99	3.94	3.89	3.89	0.014	0.015	0.015	0.016	Standard
1080	68%	3.30	3.80	3.70	3.65	3.65	0.015	0.016	0.016	0.017	Standard
1080	66%	3.10	3.85	3.75	3.70	3.70	0.015	0.016	0.016	0.017	Standard
1078	68%	3.30	3.80	3.70	3.65	3.65	0.015	0.016	0.016	0.017	Standard
106	76%	2.30	3.62	3.52	3.47	3.47	0.016	0.017	0.017	0.018	Standard

Remark:

- ① Press thickness test condition---Prepreg lamination size 18"*24", Copper Foil---1oz/1oz, Flow---about 5%;
- ② Make laminated prepreg to micro-section and measure the thickness with microscope; this thickness is used for resistance design calculation.
- ③ The thickness measured with micrometer is 0.2~0.4 mil larger than that measured with micro-section; and mainly used for total thickness design calculation.