

Main Family	Manufacturer	Type Laminate/Prepreg	Tg (°C) [DSC]	Lead Free assy	Td (°C) 5%	Dk at 1GHz	Df at 1GHz	UL Rating	IPC-4101B
FR4	ITEQ	IT-180ATC / IT-180 ABS	≥ 170	Yes	345	4.4	0.015	UL 94 V-0	99, 101, 126
	ITEQ	IT-158 TC / IT 158 BS	≥ 150	Yes	345	4.3	0.016	UL 94 V-0	99
	ITEQ	IT-140 TC	≥ 135	/	305	4.3	0.017	UL 94 V-0	21
	PANASONIC	R-1755V / R1650V	173	Yes	350	4.3	0.016	UL 94 V-0	126, 21, 24, 26, 97, 98, 99, 101, 121, 124, 129
	PANASONIC	R-1566W/ R1551W	153	Yes	350	4.3	0.011	UL 94 V-0	127, 92, 93, 94, 95, 122, 125, 128
	PANASONIC	MEGTRON 6	≥ 185	/	410	3,6(at 2 GHz)	0,002(at 2 GHZ)	UL 94 V-0	4101B/91
	HITACHI	MCL-E-679F(J)/ GEA-679F(J)	165-175 (TMA)	Yes	340-360	4,2 - 4,4	0,017-0,019	UL 94 V-0	/
	HITACHI	MCL-E-679 FG(S)/ GEA-679 FG(S)	175-185 (TMA)	Yes	340-360	5,0-5,2	0,016-0,018	UL 94 V-0	
	HITACHI	MCL-E-75G	155-170	Yes	380-390	4,4-4,6	0,014-0,016	UL 94 V-0	
		ELITE	EM37BD	155	Yes	385	4.3	0.013	UL 94 V-0
	NELTEC SA	NELCO N4800-20SI	180	Yes	360	3.55	0.005	UL 94 V-0	72, 99, 101, 126
	VENTEC	VENTEC VT-47	170	Yes	345	4.15	0.018	UL 94 V-0	26, 97, 98, 99, 101, 126
Polyimide	ARLON	35 N	> 250	Yes	407	3.4	0.010	UL-94 V-1	40, 41
	ARLON	85N	250	Yes	407	4.2	0.010	UL 94 HB	40, 41
	ARLON	49N	170	Yes	291	4.4	0.025	UL 94 V-0	21
	VENTEC	VT-901	250	Yes	395	4.05	0.012	UL 94 V-0	
Ceramic	Rogers 4000 & 4000 LoPro series	RO4450B	> 280 (TMA)	Yes	390	3,30+/-0,05 (at 10GHz)	0.0037 (at 10GHz)	UL 94 V-0	/
		RO4450F	> 280 (TMA)	Yes	390	3,52+/-0,05 (at 10GHz)	0.0037 (at 10GHz)	UL 94 V-0	/
		RO4350B/RO4350B LoPro	> 280 (TMA)	Yes	390	3.66/3.48 (at 10GHz)	0.0037 (at 10GHz)	UL 94 V-0	11
		RO4003C/RO4003C LoPro	> 280 (TMA)	Yes	425	3.55/3.38 (at 10GHz)	0.0027 (at 10GHz)	N/A	10
		RO4835 LoPro	> 280 (TMA)	Yes	390	3.48 (at 10GHz)	0.0037 (at 10GHz)	UL 94 V-0	/
PTFE (Microwave)	Rogers 3000 series	RO3210	> 280	yes	500	10,2+/-0,05 (at 10GHz)	0.0027 (at 10GHz)	UL 94 V-0	/
		RO3006	> 280	Yes	500	6,15+/-0,15 (at 10GHz)	0.002 (at 10GHz)	UL 94 V-0	IPC-4103/10
		RO3003	> 280	Yes	500	3,00+/-0,04 (at 10GHz)	0.013 (at 10GHz)	/	IPC-4103/10
	Rogers 6000 series	RT Duroid	294	Yes	500	2.9 (at 10GHz)	0.015 (at 10GHz)	UL 94 V-0	IPC-4103/10
	Rogers 5000 series	RO5880	> 280	Yes	500	6,15+/-0,15 (at 10GHz)	0.004 (at 10GHz)	UL 94 V-0	IPC-4103/10
Flex	Dupont	Pyralux AP 8515R	220	Yes	/	3.4	0.02	UL 94 V-0	IPC-4204/11
	Dupont	Pyralux AP 8525R	220	Yes	/	3.4	0.02	UL 94 V-0	IPC-4204/11
	Dupont	Pyralux AP 9121R	220	Yes	/	3.4	0.02	UL 94 V-0	IPC-4204/11
	Dupont	Pyralux AP 8535R	220	Yes	/	3.4	0.02	UL 94 V-0	IPC-4204/11
	Dupont	Pyralux AP 8545R	220	Yes	/	3.4	0.02	UL 94 V-0	IPC-4204/11
	Dupont	LF Bond Ply Acr. Adhesive	60	Yes	/	3.6	0.02	/	IPC-4203/1
Coverlay	Dupont	Pyralux LF0110	/	/	/	3,6-4,0	0.02	/	/