

# Base materials (UL approved)



SDS standards

Additional base materials available on request

Material group	Manufacturer	Designation	Tg	CTE T<Tg	CTE (50-260°) %	T260°	CTI UL class	IPC 4101/sheet
FR-4 standard	Isola	DE 104/ML	135	60 - 70	3.5 - 4	15 - 30	2	21
	NanYa	FR4-86/NP140	140	60 - 70	3.5 - 4	15 - 30	3	21
	Wazam	H140 A	140	50-70	4.3		3	21
	Wazam	H 1600A*	135	60	4.2		0	97
FR-4 thermostable	Isola	IS 400	150	45	2.9	60	3	21/24/97/98/99/101
	Panasonic*	R-1566	150	40	2.4	120	1	127/92/93/94/95/122/125/128
	NanYa	NP-155F	150	60	3.5	60	3	21/24/97/98/99/101
	ITEQ	IT-158	150	40	3.3	60	3	99/101
	Wazam	H150(LF)	150	55	3.3	30	3	99
	Wazam	H1170	180	45	2.9	60	3	126

\* halogen-free, CTI 500