

Material group	Product	Feature	Tg (DSC, °C)	Td (TGA, °C)	T260 (TMA, min)	T288 (TMA, min)
Conventional material	Cu FR4	RoHS Compatible, Normal Tg material	137	312	13	2
	Cu FR4	RoHS Compatible, Excellent thermal resistance, Normal Tg material	138	330	40	4
	Cu FR4	RoHS Compatible, Mid Tg material	146	313	22	3
	Cu FR4	RoHS Compatible, Hi-Tg material	170	320	20	3
	Cu FR4	RoHS Compatible, Normal Tg material, CTI >600V	135	310	13	2
High thermal conductivity Copper clad laminates	Cu FR4	FR4 Copper clad laminate 1.0w/M.k	130	-	-	-
	Cu FR4	FR4 Copper clad laminate 1.5w/M.k	130	-	-	-
	Cu FR4	Environmentally friendly Copper clad laminate 1.0w/M.k	130	-	-	-
	Cu FR4	Environmentally friendly Copper clad laminate 1.5w/M.k	130	-	-	-
	Cu CEM3	CEM3 Copper clad laminate	138	-	-	-
	Cu CEM3	CEM3 Copper clad laminate	139	-	-	-
	Cu CEM3	CEM3 Environmentally friendly Copper clad laminate	141	-	-	-
	Cu CEM3	CEM3 Environmentally friendly Copper clad laminate	142	-	-	-
CEM3	Cu CEM3	Conventional CEM3	130	-	-	-
	Cu CEM3	Conventional halogen free CEM3	130	-	-	-
	Cu CEM3	High CTI (CTI >600V) CEM3	130	-	-	-

Material group	Product	Feature	Tg (DSC, °C)	Td (TGA, °C)	T260 (TMA, min)	T288 (TMA, min)
High frequency & Lead free compatible products	Cu FR4	Excellent thermal resistance, Low CTE, Hi-Tg Material, Low DK & low Df	178	361	>60	>60
	Cu FR4	Excellent thermal resistance, Low CTE, Hi-Tg Material, Lower DK & low Df	185	365	>60	>60
	Cu FR4	Excellent thermal resistance, Low CTE, Hi-Tg Material, lower DK & low Df, Enviromentally friendly	175	385	>60	>60
	Cu FR4	Excellent thermal resistance, Low CTE, Hi-Tg Material, Low DK & low Df, Enviromentally friendly	185	380	>60	>60
	Cu FR4	Excellent thermal resistance, Low CTE, Hi-Tg Material, ultra low loss	185	375	>60	>60
Enviromentally friendly & Lead free compatible product	Cu FR4	Excellent thermal resistance, Low CTE, Normal Tg, Enviromentally friendly	147	367	>60	32
	Cu FR4	Excellent thermal resistance, Low CTE, Mid-Tg Material, Enviromentally friendly	155	380	>60	>60
	Cu FR4	Excellent thermal resistance, Low CTE, Mid-Tg Material, Low DK & low Df, Enviromentally friendly	155	385	>60	>60
	Cu FR4	Excellent thermal resistance, Low CTE, Hi-Tg Material, Enviromentally friendly	175	385	>60	>60
	Cu FR4	Excellent thermal resistance, Low CTE, High CTI, Hi-Tg Material, Enviromentally friendly	156	386	>60	>60

Material group	Product	Feature	Tg (DSC, °C)	Td (TGA, °C)	T260 (TMA, min)	T288 (TMA, min)
Lead free compatible product	Cu FR4	Excellent thermal resistance, Low CTE, Normal Tg Material	139	354	>60	30
	Cu FR4	Excellent thermal resistance, Low CTE, Mid-Tg Material	157	345	>60	20
	Cu FR4	Excellent thermal resistance, Very Low CTE, Hi-Tg Material	176	354	>60	45
	Cu FR4	Excellent thermal resistance, Very Low CTE, Hi-Tg Material	192	365	>60	45

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