



UL Recognition Base Material for PCB

Type Designation	Grade	Direct Support	Material	Laminate Maker & UL File Number
1AV0	FR-1	YES	DS-1108	Doosan Co. Ltd. (E103670)
1AV0	FR-1	YES	ETL-XPC-207	Eternal Chemical (E95862)
1AV0	FR-1	YES	KB-3151C	Kingboard Laminate (E123995)
1AV0	FR-1	YES	R-8700	Panasonic (E81336)
1V0	FR-1	YES	CCP-3400	Chang Chun Plastic (E108591)
1V0	FR-1	YES	CCP-6400	Chang Chun Plastic (E108591)
1V0	FR-1	YES	DS-1107, DS-1107S	Doosan Co. Ltd. (E103670)
1V0	FR-1	YES	DS-1107A	Doosan Co. Ltd. (E103670)
1V0	FR-1	YES	ETL-XPC-204	Eternal Chemical (E95862)
1V0	FR-1	YES	ETL-XPC-207	Eternal Chemical (E95862)
1V0	FR-1	YES	KB-3151C	Kingboard Laminate (E123995)
1V0	FR-1	YES	PLC-2147	Sumitomo Bakelite (E95831)
3AV0	CEM-3	YES	CCP-308	Chang Chun Plastic (E108591)
3AV0	CEM-1	YES	CCP-508	Chang Chun Plastic (E108591)
3AV0	CEM-1	YES	CCP-518	Chang Chun Plastic (E108591)
3AV0	CEM-3	YES	CEM-3-09	Nan Ya Plastic (E98983)
3AV0	CEM-1	YES	KB-5150	Kingboard Laminate (E123995)
3AV0	CEM-3	YES	KB-7150	Kingboard Laminate (E123995)
3AV0	CEM-3	YES	R-1781, R-1786	Panasonic (E81336)
3AV0	CEM-3	YES	R-1780, R-1785	Panasonic (E81336)
3AV0	CEM-3	YES	CEM-3-92, UV Block CEM-3-92	Nan Ya Plastic (E98983)
3AV0	CEM-3	YES	CEM-3-92PY, CEM-3-10	Nan Ya Plastic (E98983)
3AV0	CEM-3	YES	ELC-4970R&S, ELC-9600	Sumitomo Bakelite (E95831)
3AV0	CEM-3	YES	ELC-4972R&S, ELC-9601, ELC-4973R&S, ELC-9753	Sumitomo Bakelite (E95831)
3AV0	CEM-3	YES	R-1787	Panasonic (E81336)
3HAV0	-	-	CEM-3-86PY	Nan Ya Plastic (E98983)
4AV0	FR-4.0	YES	KB-6160, KB-6164	Kingboard Laminate (E123995)
4AV0	FR-4.0	YES	KB-6160C	Kingboard Laminate (E123995)
4AV0	FR-4.0	YES	EEL-145	Kingboard Laminate (E123995)
4AV0	FR-4.0	YES	FR-4-11PYR, FR-4-11PYTL	Nan Ya Plastic (E98983)
4AV0	FR-4.0	YES	FR-4-86, FR-4-TL, UV Block FR-4-86	Nan Ya Plastic (E98983)
4HAV0	-	YES	FR-4-98, FR-4-86PY, NP-140TLPY	Nan Ya Plastic (E98983)
2RV0	FR-1	-	CCP-3400	Chang Chun Plastic (E108591)
2RV0	FR-1	-	ETL-XPC-801	Eternal Chemical (E95862)
2RV0	FR-1	-	PLC-2147	Sumitomo Bakelite (E95831)
2RV0	FR-1	-	KB-3151C	Kingboard Laminate (E123995)
3BRV0	CEM-3	-	CCP-308	Chang Chun Plastic (E108591)
3BRV0	CEM-1	-	CCP-508	Chang Chun Plastic (E108591)
3BRV0	CEM-1	-	CCP-518	Chang Chun Plastic (E108591)
3BRV0	CEM-3	-	CEM-3-92, UV Block CEM-3-92	Nan Ya Plastic (E98983)
3BRV0	CEM-3	-	R-1081, R-1781, R-1786	Panasonic (E81336)



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3BRV0	CEM-3	-	ELC-4972R&S, ELC-9601	Sumitomo Bakelite (E95831)
4BRV0	FR-4	-	KB-6160, KB-6164	Kingboard Laminate (E123995)
4BRV0	FR-4	-	FR-4-86, FR-4-TL, UV Block FR-4-86	Nan Ya Plastic (E98983)
ML2	FR-4.0	YES	NP-140R, NP-140TL, NP-140MR, NP-140MTL	Nan Ya Plastic (E98983)
ML2	FR-4.1	YES	NPG-R, NPG-TL, NPG-170R, NPG-170TL	Nan Ya Plastic (E98983)
ML2	FR-4.0	YES	R-1761, R-1762, R-1766, R-1767, R-1768	Panasonic (E81336)
ML2	FR-4.1	YES	R-1561, R-1562, R-1566, R-1567, R-1568	Panasonic (E81336)
ML2B	FR-4.0	YES	NP-140R, NP-140TL, NP-140MR, NP-140MTL	Nan Ya Plastic (E98983)
ML2B	FR-4.0	YES	R-1761, R-1762, R-1766, R-1767, R-1768	Panasonic (E81336)
ML2B	FR-4.1	YES	NPG-R, NPG-TL, NPG-170R, NPG-170TL	Nan Ya Plastic (E98983)
ML2B	FR-4.1	YES	R-1561, R-1562, R-1566, R-1567, R-1568	Panasonic (E81336)
ML2B	FR-4.0	YES	EL-3765(ELC-4765)	Sumitomo Bakelite (E95831)
ML2B	FR-4.0	YES	EL-3765CF(ELC-4765CF), ELC-3784CF	Sumitomo Bakelite (E95831)
ML2B	FR-4.0	YES	FR-4-11PTL	Nan Ya Plastic (E98983)
ML2B	FR-4.1	YES	NPGN-150PYTL, NPGN-150PYR	Nan Ya Plastic (E98983)
ML2C	FR-4.0	YES	NP-140TL / NP-140B	Nan Ya Plastic (E98983)
ML2D	FR-4.0	YES	EL-3765(ELC-4765) / EI-6765	Sumitomo Bakelite (E95831)
ML2D	FR-4.0	YES	EL-3765(ELC-4765) / EI-6765CF, EI-6784CF	Sumitomo Bakelite (E95831)
ML4	FR-4.0	YES	NP-175FR, NP-175FTL, NP-155FR, NP-155FTL, NP-180FR, NP-180FTL, NP-175FMR, NP-175MTL, NP-155FMR, NP-155MTL, NP-175FBH, NP-155FBH/NP-175FB, NP-155FB, NP-180FB, NP-175FMB, NP-155FMB, NP-175FBHB, NP-155FBHB	Nan Ya Plastic (E98983)
ML4	FR-4.0	YES	R-1655E, R-1750E, R-1752E, R-1755E, R-1757E, R-1758E, HIPER E/R-1650E	Panasonic (E81336)
ML5	FR-4.0	YES	S1000M, S1000H, Autolad1 / S1000MB, S1000HB, Autolad1B	Sheng Yi (E109769)
ML5	FR-4.0	YES	NP-175FR, NP-175FTL, NP-155FR, NP-155FTL, NP-180FR, NP-180FTL, NP-175FMR, NP-175MTL, NP-155FMR, NP-155MTL, NP-175FBH, NP-155FBH/NP-175FB, NP-155FB, NP-180FB, NP-175FMB, NP-155FMB, NP-175FBHB, NP-155FBHB	Nan Ya Plastic (E98983)