



Material Properties Table

SUPPLIER	MATERIAL	Type	Tg C	Dk	Adjusted Dk	Df	Frequency
Isola	370 HR	FR4	180	4.5	3.9	0.017	10 Ghz
Isola	Getek	Epoxy Resin	175	3.9	3.3	0.009	1 Ghz
Isola	FR408	Epoxy Resin	180	3.75	3.2	0.012	10 Ghz
Isola	FR408HR	Modified Resin	200	3.65	3.4	0.0095	10 Ghz
Isola	P95	Polyimide	260	3.92	3.2	0.0189	10 Ghz
Isola	Tachyon	Modified Resin	200	3.02	3	0.0021	10 Ghz
Isola	Astra	Modified Resin	200	3	2.9	0.0017	2 GHz
Nelco	N4000-6	Epoxy Resin	175	4	3.7	0.022	2.5 Ghz
Nelco	N4000-13EP	Modified Resin	210	3.7	3.4	0.009	10 Ghz
Nelco	N4000-13 SI	Epoxy Resin	210	3.3	3	0.006	10 Ghz
Nelco	N4000-13EP SI	Modified Resin	210	3.2	3.1	0.008	10 Ghz
Nelco	N4000-29	Epoxy Resin	185	4.2	3.5	0.017	10 Ghz
Nelco	N4800-20	Epoxy Resin	200	3.8	3.8	0.0075	10 Ghz
Rogers	4003	HC Ceramic	280	3.38	3.4	0.0027	10 Ghz
Rogers	4350	HC Ceramic	280	3.48	3.7	0.0037	10 Ghz
Rogers	3003	PTFE Ceramic	N/A	3	3.1	0.0013	10 Ghz
Rogers	XT/duroid 8100	Thermo Plastic	172	3.54	-	0.0049	10 Ghz
Rogers	RT/duroid 6002	PTFE Ceramic	N/A	2.94	-	0.0012	10 Ghz
Rogers	Ultralam	LCP	N/A	2.9	-	0.0025	10 Ghz
Rogers	Theta	Epoxy Resin	185	4.01	3.6	0.0018	10 Ghz
Arlon	85N	Polyimide	250	4.2	3.2	0.01	1 Ghz
Arlon	25N	HC Ceramic	250	3.38	3.4	0.0035	10 Ghz
Arlon	DiCLAD 522	PTFE Ceramic	N/A	2.4	-	0.0018	10 Ghz
Arlon	44N	Epoxy Resin	200	4.6	4.4	0.025	1 Mhz
Nanya	NP175	Epoxy Resin	165	4.1	4	0.012	1 Ghz
Panasonic	Megtron 6	PTFE Resin	210	3.6	3.1	0.002	2 Ghz
DuPont	HK04	Polyimide	220	3.5	3.4	0.002	1Mhz