

# HIGH FREQUENCY LAMINATES

MANUFACTURER	PRODUCT	COMPOSITION	Nominal Dielectric Constant	Dissipation Factor @ 10 GHz
Polyfon	CuFlon	PTFE	2.10	0.0005
Taconic	TLY-5A	PTFE / Woven Glass Fiber	2.17	0.0009
Arlon	DiClad 880	PTFE / Woven Glass Fiber	2.17 , 2.20	0.0009
Arlon	CuClad 217LX	PTFE / Woven Glass Fiber	2.17 , 2.20	0.0009
Arlon	IsoClad 917	PTFE / Non-Woven Glass Fiber	2.17	0.0013
Rogers	RT/duroid 5880	PTFE / Non-Woven Glass Fiber	2.20	0.0009
Taconic	TLY-5	PTFE / Woven Glass Fiber	2.20	0.0009
Rogers	RT/duroid 5870	PTFE / Non-Woven Glass Fiber	2.33	0.0012
Arlon	DiClad 870	PTFE / Woven Glass Fiber	2.33	0.0013
Arlon	CuClad 233LX	PTFE / Woven Glass Fiber	2.33	0.0013
Arlon	IsoClad 933	PTFE / Non-Woven Glass Fiber	2.33	0.0016
Taconic	TLY-3	PTFE / Woven Glass Fiber	2.33	0.0012
Arlon	DiClad 527	PTFE / Woven Glass Fiber	2.40 - 2.60	0.0018
Arlon	CuClad 250GX	PTFE / Woven Glass Fiber	2.40 - 2.55	0.0018
Arlon	DiClad 522	PTFE / Woven Glass Fiber	2.40 - 2.60	0.0018
Arlon	CuClad 250GT	PTFE / Woven Glass Fiber	2.50	0.0018
Taconic	TLX	PTFE / Woven Glass Fiber	2.45 - 2.65	0.0019
Arlon	AD 250	PTFE / Woven Glass Fiber	2.50	0.0018
Arlon	AD 270	PTFE / Woven Glass Fiber	2.70	0.0023
Taconic	TLC-27	PTFE / Woven Glass Fiber	2.75	0.0030
Rogers	RT/duroid 6002	PTFE / Ceramic	2.94	0.0012
Rogers	RT/duroid 6202	PTFE / Ceramic Reinforced Woven Glass	2.94	0.0015
Arlon	CLTE	PTFE / Ceramic Reinforced Woven Glass	2.98	0.0023
Arlon	CLTE-LC	PTFE / Ceramic Reinforced Woven Glass	2.94	0.0025
Taconic	TLE-95	PTFE / Woven Glass Fiber	2.95	0.0028
Rogers	RO3003	PTFE / Ceramic	3.00	0.0013
Arlon	AD 300 A	PTFE / Woven Glass Fiber	3.00	0.0020
Taconic	TSM-30	PTFE / Ceramic Reinforced Woven Glass	3.00	0.0015
Taconic	RF-30	PTFE / Ceramic Reinforced Woven Glass	3.00	0.0014
Taconic	TLC-30	PTFE / Woven Glass Fiber	3.00	0.0030
Rogers	RO3203	PTFE / Ceramic Reinforced Woven Glass	3.02	0.0016
Arlon	AD 320	PTFE / Woven Glass Fiber	3.20	0.0038
Taconic	TLC-32	PTFE / Woven Glass Fiber	3.20	0.0030
Rogers	TMM 3	Hydrocarbon Ceramic	3.27	0.0020
Rogers	RO4003C	Non-PTFE Resin System	3.38	0.0027
Arlon	25N	Non-PTFE Resin System	3.38	0.0025
Rogers	RO4350B	Non-PTFE Resin System	3.48	0.0037
Taconic	RF-35	PTFE / Ceramic Reinforced Woven Glass	3.50	0.0018
Arlon	AD 350A	PTFE / Woven Glass Fiber	3.50	0.0030
Rogers	RO3035	PTFE / Ceramic	3.50	0.0017
Taconic	RF-35A	PTFE / Ceramic Reinforced Woven Glass	3.50	0.0025
Taconic	RF-35P	PTFE / Ceramic Reinforced Woven Glass	3.50	0.0025
Arlon	25FR	Non-PTFE Resin System	3.58	0.0035
Rogers	TMM 4	Hydrocarbon Ceramic	4.50	0.0020
Arlon	AD 450	PTFE / Woven Glass Fiber	4.50	0.0035
Rogers	TMM 6	Hydrocarbon Ceramic	6.00	0.0023
Rogers	RT/duroid 6006	PTFE / Ceramic	6.15	0.0027
Rogers	RO3006	PTFE / Ceramic	6.15	0.0020
Arlon	AD 600	PTFE / Ceramic Reinforced Woven Glass	6.15	0.0030
Taconic	RF-60	PTFE / Ceramic Reinforced Woven Glass	6.15	0.0038
Rogers	TMM 10	Hydrocarbon Ceramic	9.20	0.0022
Rogers	TMM 10i	Hydrocarbon Ceramic	9.80	0.0020
Arlon	AR 1000	PTFE / Ceramic Reinforced Woven Glass	10.00	0.0030
Taconic	CER-10	PTFE / Ceramic Reinforced Woven Glass	10.00	0.0035
Rogers	RT/duroid 6010.2LM	PTFE / Ceramic	10.20	0.0023
Rogers	RO3010	PTFE / Ceramic	10.20	0.0022
Rogers	RO3210	PTFE / Ceramic Reinforced Woven Glass	10.20	0.0027
Arlon	AD 1000	PTFE / Ceramic Reinforced Woven Glass	10.20	0.0023

# ADHESIVES AND FILMS

Rogers	RO4450B	Thermoset
Rogers	3001	Thermoplastic
Arlon	CuClad 6250	Thermoplastic
Arlon	CuClad 6700	Thermoplastic
Arlon	CLTE-P	Thermoplastic
Rogers	RO4403	Thermoset
Arlon	25N	Thermoset
DuPont	FEP	Thermoplastic
DuPont	LF0220	Acrylic Adhesive
Arlon	35N	Thermoset
Ablefilm	5025E	Thermoset Conductive Epoxy
Ablefilm	EFC561E	Thermoset Conductive Epoxy
Ablefilm	550K	Thermoset Conductive Epoxy



\*Check manufacturer for specific product information and values  
For Reference Only