



Product Listing and Typical Properties

Woven Fiberglass Reinforced PTFE - Unidirectional					
	Dielectric Constant	Dissipation Factor	MIL/IPC-L-125	CTEz	Comments
DiClad® 522	2.40 - 2.60 ± 0.05	0.001	GT/01	173	Tested at 1 MHz
DiClad® 527	2.40 - 2.60 ± 0.04	0.0022	GX/02	.173	Tested at 10 GHz
DiClad® 870	2.33 ± 0.02	0.0013	GY/05	217	Tested at 10 GHz
DiClad® 880	2.17, 2.20 ± 0.02	0.0009	GY/05	252	Tested at 10 GHz

Woven Fiberglass Reinforced PTFE - Crossplied					
CuClad® 250GT	2.40 - 2.60 ± 0.05	0.001	GT/01	177	Tested at 1 MHz, in plane isotropy
CuClad® 250GX	2.40 - 2.60 ± 0.04	0.0022	GX/02	177	Tested at 10 GHz, in plane isotropy
CuClad® 233LX	2.33 ± 0.02	0.0013	GY/05	194	Tested at 10 GHz, in plane isotropy
CuClad® 217LX	2.17, 2.20 ± 0.02	0.0009	GY/05	246	Tested at 10 GHz, in plane isotropy

Nonwoven Fiberglass Reinforced PTFE					
IsoClad® 933	2.33 ± 0.04	0.0016	GP/03	203	Tested at 10 GHz, Conformal
IsoClad® 917	2.17, 2.20 ± 0.04	0.0013	GP, GR/03,04	236	Tested at 10 GHz, Conformal

Commercial Grades PTFE					
AR 320™	3.20 ± 0.10	0.003	N/A / N/A	71	Tested at 10 GHz
AD Series™	2.50 - 3.60 ± 0.05	0.002 - 0.003	N/A / N/A	175 - 65	Tested at 10 GHz

Ceramic Filled PTFE					
CLTE™	2.94 Nominal	0.0025	N/A / N/A	35	Er Stable Over Temperature
AR 350™	3.5 Nominal	0.0026	N/A / N/A	107	Er Replacement for BT, CE
AR 450™	4.5 Nominal	0.0035	N/A / N/A	102	Er Replacement for FR-4
AR 600™	6.0 Nominal	0.0035	N/A / N/A	62	Er Design Flexibility
AR 1000™	10.0 Nominal	0.0035	N/A / N/A	37	Er Varies with Thickness

Non-PTFE Resin Systems, Er Stable Over Temperature					
25N	3.38	0.0025	N/A / N/A	47	Tested at 10 GHz
25FR	3.58	0.0035	N/A / N/A	59	Tested at 10 GHz, UL94V-0

Thermoplastic Bonding Material				Melt °F/°C	Supplied Thickness
CuClad® 6250	2.32 ± 0.10	0.0013	N/A / N/A	213/101	.0015"
CuClad® 6700	2.35 ± 0.10	0.0025	N/A / N/A	379/193	.0015", .003"
CLTE-P™	2.94	0.0025	N/A / N/A	510/265	.0032"

Master sheet sizes are 36" x 36", 36" x 48", 48" x 54" and 36" x 72". Check for availability by product line.

DiClad®, CuClad®, IsoClad® and CLTE™ are Arlon Registered Trademarks



MATERIALS FOR ELECTRONICS

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