



N4000-13 SI® / N4000-13EP SI® – Dielectric Properties Table

LAMINATE:

Thickness	&		Tol.	Construction						RC%	2GHz Dk	2 GHz Df	10 GHz Dk	10 GHz Df
0.0020	±		0.0005	1	106					69%	3.04	0.0082	3.02	0.0086
0.0020	±		0.0005	1	1035					67%	3.07	0.0081	3.04	0.0085
0.0025	±		0.0005	1	1078					58%	3.19	0.0077	3.16	0.0080
0.0025	±		0.0005	1	1080					58%	3.19	0.0077	3.16	0.0080
0.0030	±		0.0005	1	1080					64%	3.11	0.0079	3.08	0.0083
0.0040	±		0.0005	2	106					68%	3.05	0.0082	3.02	0.0085
0.0050	±		0.0007	1	2116					56%	3.21	0.0076	3.18	0.0079
0.0050	±		0.0007	2	1080					58%	3.19	0.0077	3.16	0.0080
0.0050	±		0.0007	2	1078					58%	3.19	0.0077	3.16	0.0080
0.0060	±		0.0007	2	1078					64%	3.11	0.0079	3.08	0.0083
0.0060	±		0.0007	2	1080					64%	3.11	0.0079	3.08	0.0083
0.0070	±		0.001	2	1080	+	1	106		61%	3.15	0.0078	3.12	0.0081
0.0080	±		0.001	2	2116					45%	3.38	0.0069	3.35	0.0072
0.0080	±		0.001	2	106	+	1	2116		61%	3.14	0.0078	3.12	0.0081
0.0090	±		0.001	1	2116	+	1	2116		51%	3.28	0.0073	3.25	0.0076
0.0100	±		0.001	2	2116					56%	3.21	0.0076	3.18	0.0079
0.0120	±		0.0015	3	2116					45%	3.38	0.0069	3.35	0.0072
0.0140	±		0.0015	2	2116	+	1	2116		53%	3.25	0.0074	3.23	0.0077
0.0150	±		0.0015	3	2116					56%	3.21	0.0076	3.18	0.0079
0.0160	±		0.0015	4	2116					45%	3.38	0.0069	3.35	0.0072
0.0180	±		0.0015	2	2116	+	2	2116		51%	3.28	0.0073	3.25	0.0076
0.0200	±		0.002	5	2116					45%	3.38	0.0069	3.35	0.0072
0.0310	±		0.003	6	2116					56%	3.21	0.0076	3.18	0.0079

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PREPREG

Glass	RC%	2 GHz Dk	2GHz Df	10GHz Dk	10GHz Df	Thickness (inches)
106	75	2.98	0.0084	2.95	0.0088	0.0025
1035	75	2.98	0.0084	2.95	0.0088	0.0030
1078	65	3.09	0.0080	3.06	0.0084	0.0032
1080	65	3.09	0.0080	3.06	0.0084	0.0032
2013	57	3.19	0.0076	3.17	0.0079	0.0043
2116	55	3.22	0.0075	3.19	0.0078	0.0052

The following laminate and prepreg items are a representative of available materials. These items and their associated values may not be regularly available and additional lead times or minimum order quantities could apply. Please contact our office or your local technical representative for assistance with choosing the best material for your design and application.

For More Information:

North America +1.480.967.5600 • Europe +33.5.62.98.52.90 • Asia Pacific +65.686.17117
agc-ml.multimaterial@agc.com • www.agc-multimaterial.com

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