

Typical Properties of Sil-Pad					
		Sil-Pad 400	Sil-Pad 800	Sil-Pad 900S	Sil-Pad A1500
Property	Test Method	Imperial Value	Imperial Value	Imperial Value	Imperial Value
Color	Visual	Gray	Gold	Pink	Green
Reinforcement Carrier	***	Fiberglass	Fiberglass	Fiberglass	Fiberglass
Thickness (inch)	ASTM D374	0.007, 0.009	0.005	0.009	0.01
Hardness (Shore A)	ASTM D2240	85	91	92	80
Breaking Strength (lbs/inch)	ASTM D1458	30	***	***	65
Elongation (%45° to Warp & Fill)	ASTM D412	54	20	20	40
Tensile Strength (psi) / (MPa)	ASTM D412	3000	1700	1300	***
Continuous Use Temp. (°F)	***	-76 to 356	-76 to 356	-76 to 356	-76 to 356
Electrical					
Dielectric Breakdown Voltage (Vac)	ASTM D149	3500, 4500	1700	5500	6000
Type 3 Electrodes	ASTM D149	***	3000	8300	***
Dielectric Constant (1000 Hz)	ASTM D150	5.5	6.0	6.0	7.0
Volume Resistivity (Ohm-meter)	ASTM D257	10 ¹¹	10 ¹⁰	10 ¹⁰	10 ¹¹
Flame Rating	U.L. 94	V-O	V-O	V-O	V-O
Thermal					
Thermal Conductivity (W/m-K)	ASTM D5470	0.9	1.6	1.6	2

Typical Properties of Sil-Pad (cont.)					
		Sil-Pad 1500ST	Sil-Pad 2000	Sil-Pad A2000	Sil-Pad K-10
Property	Test Method	Imperial Value	Imperial Value	Imperial Value	Imperial Value
Color	Visual	Blue	White	White	Beige
Reinforcement Carrier	***	Fiberglass	Fiberglass	Fiberglass	Kapton
Thickness (inch) / (mm)	ASTM D374	0.008	0.010	0.015	0.006
Hardness (Shore A)	ASTM D2240	75	90	90	90
Breaking Strength (lbs/inch)	ASTM D1458	1.9	***	***	30
Elongation (%45° to Warp & Fill)	ASTM D412	22	***	***	40
Tensile Strength (psi) / (MPa)	ASTM D412	238	***	***	5000
Continuous Use Temp. (°F) / (°C)	***	-76 to 356	-76 to 392	-76 to 392	-76 to 356
Electrical					
Dielectric Breakdown Voltage (Vac)	ASTM D149	3000	4000	4000	6000
Type 3 Electrodes	ASTM D149	***	***	***	***
Dielectric Constant (1000 Hz)	ASTM D150	6.1	4.0	7.0	3.7
Volume Resistivity (Ohm-meter)	ASTM D257	10 ¹¹	10 ¹¹	10 ¹¹	10 ¹²
Flame Rating	U.L. 94	V-O	V-O	V-O	VTM-O
Thermal					
Thermal Conductivity (W/m-K)	ASTM D5470	1.8	3.5	3.0	1.3