

Iten Industries

Resiten® 113 Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Tensile Strength:	Lengthwise	D638	24,900 psi
	Crosswise		16,700 psi
Flexural Strength:	Condition A Lengthwise	D790	29,300 psi
	Condition A Crosswise		23,200 psi
	D48/50 Lengthwise		24,300 psi
	D48/50 Crosswise		19,500 psi
Compressive Strength:	Lengthwise	D695	17,100 psi
	Crosswise		15,500 psi
Izod Impact (notched):	Condition A Lengthwise	D256	0.59 ft.lb./in.
	Condition A Crosswise		0.51 ft.lb./in.
	D48/50 Lengthwise		0.92 ft.lb./in.
	D48/50 Crosswise	D256	0.82 ft.lb./in.
	E48/50 Lengthwise		0.57 ft.lb./in.
	E48/50 Crosswise		0.48 ft.lb./in.
Water Absorption		D570	1.86% of weight
Specific Gravity		D792	1.40
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	170 Vpm
Dielectric Breakdown:	Condition A	D149	29.1 kV
	D48/50		4.0 kV
Arc Resistance:	Condition A	D495	32 seconds
	D48/50		9 seconds
U.L. Arc Resistance Rating:		D495	83 seconds
Comparative Track Index (CTI)		U.L. 746A	180 Volts
U.L. HV Track Rate		U.L. 746A	10.5 mm/Min.
Permittivity, 1MHz:	Condition A	D150	6.13
	D24/23		6.83
Dissipation Factor, 1MHz:	Condition A	D150	0.0549
	D24/23		0.4866
Permittivity, 1KHz:	Condition A	D150	9.02
	D24/23		13.60
Dissipation Factor, 1KHz:	Condition A	D150	0.2430
	D24/23		0.7470
U.L. Hot Wire Ignition		U.L. 746A	120+ seconds
U.L. High Amp Ignition		U.L. 746A	200+ Exposure
U.L. temperature Index:	Electrical		140° C
	Mechanical		140° C

Resiten® 113 meets or exceeds GE material specification A19B27C1 & C2

Standard Sheet sizes are 36" x 48", 48" x 48", 48" x 72", & 48" x 96"

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All values are average test results from typical production material. No warranty is implied or guaranteed and testing is recommended for each application.

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Imageneering with Plastics

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