

# Iten Industries

## Resiten® 115 Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>115 Values</u>
Thickness			.125 inches
Tensile Strength:	Lengthwise	D638	22,400 psi
	Crosswise		15,200 psi
Flexural Strength:	Condition A Lengthwise	D790	27,000 psi
	Condition A Crosswise		20,800 psi
	D48/50 Lengthwise		19,600 psi
	D48/50 Crosswise		15,100 psi
Compressive Strength:	Lengthwise	D695	16,300 psi
	Crosswise		14,200 psi
Izod Impact (notched):	Condition A Lengthwise	D256	0.64 ft.lb./in.
	Condition A Crosswise		0.56 ft.lb./in.
	D48/50 Lengthwise		1.00 ft.lb./in.
	D48/50 Crosswise		0.85 ft.lb./in.
	E48/50 Lengthwise		0.58 ft.lb./in.
	E48/50 Crosswise		0.49 ft.lb./in.
Water Absorption		D570	2.03% of weight
Specific Gravity		D792	1.37
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	424+ Vpm
Dielectric Breakdown:	Condition A	D149	95.8 kV
	D48/50		2.6 kV
Arc Resistance:	Condition A	D495	27 seconds
	D48/50		0 seconds
Comparative Track Index (CTI)		U.L. 746A	160 Volts
U.L. HV Track Rate		U.L. 746A	12.0 mm/Min.
Permittivity, 1MHz:	Condition A	D150	4.46
	D24/23		4.77
Dissipation Factor, 1MHz:	Condition A	D150	0.0398
	D24/23		0.0594
Permittivity, 1KHz:	Condition A	D150	5.16
	D24/23		7.10
Dissipation Factor, 1KHz:	Condition A	D150	0.0486
	D24/23		0.3812
U.L. Hot Wire Ignition		U.L. 746A	102+ seconds
U.L. High Amp Ignition		U.L. 746A	200 + Exposure
U.L. temperature Index:	Electrical		130° C
	Mechanical		130° C

Resiten 115 meets or exceeds NEMA XP material specifications

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

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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