

Iten Industries

Resiten® 215FR Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Tensile Strength:	Condition A Lengthwise	D638	10,800 psi
	Condition A Crosswise		22,600 psi
Flexural Strength:	Condition A Lengthwise	D790	17,600 psi
	Condition A Crosswise		13,400 psi
	D48/50 Lengthwise		10,400 psi
	D48/50 Crosswise		7,900 psi
Compressive Strength:	Lengthwise	D695	8,000 psi
	Crosswise		8,000 psi
Izod Impact (notched):	Condition A Lengthwise	D256	.54 ft.lb./in.
	Condition A Crosswise		.40 ft.lb./in.
	D48/50 Lengthwise		1.05 ft.lb./in.
	D48/50 Crosswise		.89 ft.lb./in.
	E48/50 Lengthwise		.48 ft.lb./in.
	E48/50 Crosswise		.40 ft.lb./in.
Water Absorption		D570	2.34% of weight
U.L. Subject 94		UL94	94V0
Dielectric Strength		D149	355 Vpm
Dielectric Breakdown:	Condition A	D149	83 kV
	D48/50		3 kV
Arc Resistance:	Condition A	D495	76 seconds
	D48/50		10 seconds
Permittivity @ 1 MHz	Condition A	D150	4.7
	D24/23		5.19
Dissipation Factor @ 1MHz	Condition A	D150	.052
	D24/23		.074
Permittivity @ 1 KHz	Condition A	D150	5.88
	D24/23		9.84
Dissipation Factor @ 1KHz	Condition A	D150	.056
	D24/23		.639
Comparative Track Index (CTI)		U.L. 746A	180 Volts @ .057
U.L. HV Track Rate		U.L. 746A	24 mm/Min. @ .028
U.L. Hot Wire Ignition		U.L. 746A	300+ seconds @ .028
U.L. High Amp Ignition		U.L. 746A	200 + Exposure @ .028"
U.L. Arc Resistance		D-495	27 seconds @ .028"
U.L. temperature Index:	Electrical		125° C
	Mechanical		125° C

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

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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