

Iten Industries

Resiten® 215 Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Flexural Strength:	Condition A	Lengthwise D790	26,700 psi
	Condition A	Crosswise	22,600 psi
	D48/50	Lengthwise	20,300 psi
	D48/50	Crosswise	18,306 psi
Compressive Strength:		Lengthwise D695	17,000 psi
		Crosswise	16,900 psi
Izod Impact (notched):	Condition A	Lengthwise D256	0.66 ft.lb./in.
	Condition A	Crosswise	0.62 ft.lb./in.
	D48/50	Lengthwise	0.44 ft.lb./in.
	D48/50	Crosswise	0.42 ft.lb./in.
	E48/50	Lengthwise	0.42 ft.lb./in.
	E48/50	Crosswise	0.35 ft.lb./in.
Bond Strength @ 1/2" thickness	Condition A	D229	1,140 lbs.
	D48/50		1,100 lbs.
Water Absorption		D570	1.01% of weight
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	745 Vpm
Dielectric Breakdown:	Condition A	D149	78 kV
	D48/50		18 kV
Arc Resistance:	Condition A	D495	32 seconds
	D48/50		20 seconds
Permittivity @ 1 MHz	Condition A	D150	4.44
	D24/23		4.66
Dissipation Factor @ 1MHz	Condition A	D150	0.032
	D24/23		0.035
Comparative Track Index (CTI)		U.L. 746A	140 Volts @ .057
U.L HV Track Rate		U.L. 746A	6.3 mm/Min. @ .057
U.L. Hot Wire Ignition		U.L. 746A	13.3 seconds @ .057
U.L. High Amp Ignition		U.L. 746A	200 + Exposure
U.L. temperature Index:		Electrical	130° C
		Mechanical	130° C

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

Ashtabula, Ohio 44004 440-997-6134 Fax 440-992-3614

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

www.itenindustries.com

Imaging with Plastics

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