

Iten Industries

Resiten® 115P Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>115P Values</u>
Thickness			.125 inches
Tensile Strength:	Lengthwise	D638	14,700 psi
	Crosswise		13,000 psi
Flexural Strength:	Condition A Lengthwise	D790	19,700 psi
	Condition A Crosswise		18,700 psi
	D48/50 Lengthwise		15,400 psi
	D48/50 Crosswise		14,500 psi
Compressive Strength:	Lengthwise	D695	11,300 psi
	Crosswise		11,300 psi
Izod Impact (notched):	Condition A Lengthwise	D256	.58 ft.lb./in.
	Condition A Crosswise		.54 ft.lb./in.
	D48/50 Lengthwise		.64 ft.lb./in.
	D48/50 Crosswise	D256	.63 ft.lb./in.
	E48/50 Lengthwise		.48 ft.lb./in.
	E48/50 Crosswise		.46 ft.lb./in.
Water Absorption		D570	1.46 % of weight
Specific Gravity		D792	1.35
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	578 Vpm
Dielectric Breakdown:	Condition A	D149	50.3 kV
	D48/50		7.1 kV
Arc Resistance:	Condition A	D495	21 seconds
	D48/50		11 seconds
Comparative Track Index (CTI)		U.L. 746A	160 Volts
U.L HV Track Rate		U.L. 746A	12 mm/minute
Permittivity, 1MHz:	Condition A	D150	4.63
	D24/23		4.79
Dissipation Factor, 1MHz:	Condition A	D150	0.0380
	D24/23		0.0433
Permittivity, 1KHz:	Condition A	D150	5.84
	D24/23		6.92
Dissipation Factor, 1KHz:	Condition A	D150	0.1429
	D24/23		0.2417
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

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

Resiten® 115P meets NEMA XX, XXP, and GE material specification A19B20A1

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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.

www.itenindustries.com

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