

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

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

Addison, Illinois 60101 630-543-2880 Fax 630-543-1463

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

Imagineering With Plastics

May 18, 2001