

Iten Industries

Resiten® 118P Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Tensile Strength:	Lengthwise	D638	24,700 psi
	Crosswise		17,400 psi
Flexural Strength:	Condition A Lengthwise	D790	27,600 psi
	Condition A Crosswise		22,200 psi
	D48/50 Lengthwise		22,700 psi
	D48/50 Crosswise		16,800 psi
Compressive Strength:	Lengthwise	D695	15,700 psi
	Crosswise		15,300 psi
Izod Impact (notched):	Condition A Lengthwise	D256	0.63 ft.lb./in.
	Condition A Crosswise		0.48 ft.lb./in.
	D48/50 Lengthwise		0.81 ft.lb./in.
	D48/50 Crosswise	D256	0.73 ft.lb./in.
	E48/50 Lengthwise		0.57 ft.lb./in.
	E48/50 Crosswise		0.48 ft.lb./in.
Water Absorption		D570	1.79% of weight
Specific Gravity		D792	1.37
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	371+ Vpm
Dielectric Breakdown:	Condition A	D149	66.2 kV
	D48/50		2.5 kV
Arc Resistance:	Condition A	D495	55 seconds
Comparative Track Index (CTI)		U.L. 746A	170 Volts
U.L HV Track Rate		U.L. 746A	3.5 mm/min
Permittivity, 1MHz:	Condition A	D150	5.42
	D24/23		5.86
Dissipation Factor, 1MHz:	Condition A	D150	0.0486
	D24/23		0.0667
Permittivity, 1KHz:	Condition A	D150	7.06
	D24/23		10.23
Dissipation Factor, 1KHz:	Condition A	D150	0.1368
	D24/23		0.5000
U.L. Hot Wire Ignition		U.L. 746A	19.8 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"

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

Imagineering With Plastics

April 2, 2019