

Iten Industries

Resiten® C Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>	<u>Values</u>	<u>Values</u>
Thickness			.062 inches	.125 inches	.50 inches
Tensile Strength:					
	Lengthwise	D638	11,500 psi	12,400 psi	
	Crosswise		6,500 psi	7,600 psi	
Flexural Strength:	Condition A	D790	24,500 psi	21,200 psi	20,000 psi
	Condition A		16,600 psi	15,200 psi	13,600 psi
	D48/50		21,400 psi	21,400 psi	
	D48/50		16,300 psi	16,300 psi	
Compressive Strength:					
	Lengthwise	D695	6,730 psi	22,200 psi	30,900 psi
	Crosswise		6,630 psi	20,800 psi	28,100 psi
	Flatwise		> 45,000 psi	> 45,000 psi	> 45,000 psi
Izod Impact (notched):	Condition A	D256	2.75 ft.lb./in.	2.66 ft.lb./in.	2.46 ft.lb./in.
	Condition A		1.76 ft.lb./in.	1.68 ft.lb./in.	1.30 ft.lb./in.
	D48/50		3.93 ft.lb./in.	3.03 ft.lb./in.	2.62 ft.lb./in.
	D48/50		2.15 ft.lb./in.	1.84 ft.lb./in.	1.40 ft.lb./in.
	E48/50		2.83 ft.lb./in.	2.36 ft.lb./in.	2.65 ft.lb./in.
	E48/50		1.53 ft.lb./in.	1.40 ft.lb./in.	1.38 ft.lb./in.
Bond Strength	Condition A	D229			2,280 pounds
Water Absorption		D570	1.40% of weight	.98% of weight	.52% of weight
Specific Gravity		D792	1.36	1.36	1.36
U.L. Subject 94		UL94	HB	HB	HB
Dielectric Strength		D149	383 Vpm	228 Vpm	
Dielectric Breakdown:	Condition A	D149	50 kV	43 kV	33 kV
	D48/50		2.6 kV	5.3 kV	5.7 kV
Arc Resistance:	Condition A	D495	47 seconds	38 seconds	47 seconds
	D48/50		8 seconds	6 seconds	13 seconds
U.L HV Track Rate @ .057"		U.L. 746A	10.6 mm/min.		
Permittivity, 1MHz:	Condition A	D150	4.59	5.32	
	D24/23		5.17	5.46	
Dissipation Factor, 1MHz:	Condition A	D150	.053	.064	
	D24/23		.077	.072	
Permittivity, 1KHz:	Condition A	D150	6.71	8.27	
	D24/23		9.44	9.26	
Dissipation Factor, 1KHz:	Condition A	D150	.169	.216	
	D24/23		.260	.265	
U.L. Hot Wire Ignition @ .057"		U.L. 746A	9.3 seconds		
U.L. High Amp Ignition @ .057"		U.L. 746A	6.7 Exposure		
U.L. temperature Index @ .057":	Electrical		115° C		
	Mechanical		125° C		

Resiten® C meets NEMA specifications for C, Mil type FBM, & GE A19B15A1 & A2

Standard Sheet sizes are 36" x 48" & 48" x 48"

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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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