

Iten Industries

Resiten® LEM400 Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.062 inches
Tensile Strength:	Lengthwise	D638	15,700 psi
	Crosswise		9,100 psi
Flexural Strength:	Condition A Lengthwise	D790	30,000 psi
	Condition A Crosswise		18,700 psi
	D48/50 Lengthwise		29,100 psi
	D48/50 Crosswise		19,600 psi
Compressive Strength:	Lengthwise	D695	12,400 psi
	Crosswise		12,200 psi
	Flatwise	D256	45,000+ psi
Izod Impact (notched):	Condition A Lengthwise	D256	1.17 ft.lb./in.
	Condition A Crosswise		.72 ft.lb./in.
	D48/50 Lengthwise		1.24 ft.lb./in.
	D48/50 Crosswise	D256	.76 ft.lb./in.
	E48/50 Lengthwise		1.24 ft.lb./in.
	E48/50 Crosswise		1.21 ft.lb./in.
Water Absorption		D570	2.92% of weight
Specific Gravity		D792	1.50
U.L. Subject 94		UL94	94VO
Dielectric Strength		D149	309 Vpm
Dielectric Breakdown:	Condition A	D149	59 kV
	D48/50		4 kV
Arc Resistance:	Condition A	D495	121 seconds
	D48/50		61 seconds
Permittivity, 1MHz:	Condition A	D150	6.28
	D24/23		7.24
Dissipation Factor, 1MHz:	Condition A	D150	0.051
	D24/23		0.085
Permittivity, 1KHz:	Condition A	D150	8.43
	D24/23		14.2
Dissipation Factor, 1KHz:	Condition A	D150	0.153
	D24/23		0.324

Resiten LEM meets the minimum NEMA requirements for grade LE

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

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

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