

Iten Industries

Resiten® LBM400 Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.062 inches
Tensile Strength:	Lengthwise	D638	15,400 psi
	Crosswise		8,900 psi
Flexural Strength:	Condition A Lengthwise	D790	23,900 psi
	Condition A Crosswise		16,700 psi
	D48/50 Lengthwise		24,900 psi
	D48/50 Crosswise		18,500 psi
Compressive Strength:	Lengthwise	D695	13,300 psi
	Crosswise		9,300 psi
	Flatwise	D256	45,000+ psi
Izod Impact (notched):	Condition A Lengthwise	D256	.91 ft.lb./in.
	Condition A Crosswise		.59 ft.lb./in.
	D48/50 Lengthwise		.78 ft.lb./in.
	D48/50 Crosswise	D256	.65 ft.lb./in.
	E48/50 Lengthwise		.95 ft.lb./in.
	E48/50 Crosswise		.67 ft.lb./in.
Water Absorption		D570	6.82% of weight
Specific Gravity		D792	1.49
U.L. Subject 94		UL94	94VO
Dielectric Strength		D149	287 Vpm
Dielectric Breakdown:	Condition A	D149	44 kV
	D48/50		19 kV
Arc Resistance:	Condition A	D495	155 seconds
	D48/50		63 seconds
Permittivity, 1MHz:	Condition A	D150	7.63
	D24/23		9.42
Dissipation Factor, 1MHz:	Condition A	D150	0.047
	D24/23		0.141
Permittivity, 1KHz:	Condition A	D150	10.2
	D24/23		23.56
Dissipation Factor, 1KHz:	Condition A	D150	0.183
	D24/23		0.297

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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Imagineering with Plastics

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