

Iten Industries

Resiten® CMD Performance Values

A coarse cotton fabric with a molybdenum disulfide/ phenolic resin system that was developed as an alternative to graphite/phenolic laminates.

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Tensile Strength:	Lengthwise	D638	9,740 psi
	Crosswise		6,930 psi
Flexural Strength:	Condition A Lengthwise	D790	16,200 psi
	Condition A Crosswise		14,700 psi
	D48/50 Lengthwise		16,300 psi
	D48/50 Crosswise		13,800 psi
Compressive Strength:	Lengthwise	D695	19,100 psi
	Crosswise		19,000 psi
Izod Impact (notched):	Condition A Lengthwise	D256	2.9 ft.lb./in.
	Condition A Crosswise		2.2 ft.lb./in.
	D48/50 Lengthwise		4.2 ft.lb./in.
	D48/50 Crosswise		2.9 ft.lb./in.
	E48/50 Lengthwise		2.6 ft.lb./in.
	E48/50 Crosswise		2.1 ft.lb./in.
Water Absorption		D570	2.52% of weight
Specific Gravity		D792	1.35
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	135 Vpm
Dielectric Breakdown:	Condition A	D149	39 kV
	D48/50		2 kV
Arc Resistance:	Condition A	D495	99 seconds
Permittivity, 1MHz:	Condition A	D150	5.73
	D24/23		7.53
Dissipation Factor, 1MHz:	Condition A	D150	0.079
	D24/23		0.166
Permittivity, 1KHz:	Condition A	D150	11.17
	D24/23		31.67
Dissipation Factor, 1KHz:	Condition A	D150	0.349
	D24/23		0.622
U.L. temperature Index:	Electrical		115° C
	Mechanical		125° C

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.

Web site : itenindustries.com

Imagineering With Plastics

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