

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"

Ashtabula, Ohio 44004 440-997-6134 Fax 440-992-3614
and
Addison, Illinois 60101 630-543-2820 Fax 630-543-1463

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