

Iten Industries

Commercial Vulcanized Fibre Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Tensile Strength:	Lengthwise	D638	15,400 psi
	Crosswise		8,600 psi
Flexural Strength:	Condition A Lengthwise	D790	20,000 psi
	Condition A Crosswise		13,400 psi
Compressive Strength:	Lengthwise	D695	8,900 psi
	Crosswise		7,700 psi
Izod Impact (notched):	Condition A Lengthwise	D256	4.23 ft.lb./in.
	Condition A Crosswise		3.53 ft.lb./in.
	D48/50 Lengthwise		8.63 ft.lb./in.
	D48/50 Crosswise	D256	6.61 ft.lb./in.
	E48/50 Lengthwise		2.28 ft.lb./in.
	E48/50 Crosswise		1.81 ft.lb./in.
Water Absorption		D570	35.43% of weight
Specific Gravity		D792	1.39
U.L. Subject 94		UL94	94HB
Dielectric Strength		D149	139 Vpm
Dielectric Breakdown:	Condition A	D149	66 Kv
	D48/50		1.5 Kv
Arc Resistance:	Condition A	D495	116 seconds
	D48/50		0 seconds
Permittivity, 1MHz:	Condition A	D150	6.39
	D24/23		21.02
Dissipation Factor, 1MHz:	Condition A	D150	0.0581
	D24/23		0.5506
Permittivity, 1KHz:	Condition A	D150	7.98
Dissipation Factor, 1KHz:	Condition A	D150	0.1329
	D24/23		4.6669
U.L. temperature Index:	Electrical		90° C
	Mechanical		90° C

Ashtabula, Ohio 44004 440-997-6134 Fax 440-992-3614

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

Imagineering With Plastics

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The above test results are an average result of purchased commercial vulcanized fibre from NVF