

Iten Industries

Politen® G2FR20 (GPO2) Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>Values</u>
Thickness			.125 inches
Tensile Strength:	Lengthwise	D638	12,600 psi
	Crosswise		9,500 psi
Flexural Strength:	Condition A Lengthwise	D790	25,400 psi
	" Crosswise		21,800 psi
	D48/50 Lengthwise		24,500 psi
	" Crosswise		21,700 psi
Compressive Strength:	Lengthwise	D695	23,600 psi
	Crosswise		23,300 psi
Izod Impact (notched):	Condition A Lengthwise	D256	7.5 ft.lb./in.
	" Crosswise		7.0 ft.lb./in.
	D48/50 Lengthwise		7.2 ft.lb./in.
	" Crosswise		6.2 ft.lb./in.
	E48/50 Lengthwise		8.1 ft.lb./in.
	" Crosswise		7.2 ft.lb./in.
Water Absorption		D570	.18% of weight
Specific Gravity		D792	1.73
U.L. Subject 94		UL94	V-0
Dielectric Strength		D149	435+ Vpm
Dielectric Breakdown:	Condition A	D149	77.5 kV
	D48/50		40.0 kV
Arc Resistance:	Condition A	D495	141 seconds
	D48/50		133 seconds
Comparative Track Index (CTI)		U.L. 746A	500+ Volts
Permittivity, 1MHz:	Condition A	D150	4.07
	D24/23		4.03
Dissipation Factor, 1MHz:	Condition A	D150	0.0143
	D24/23		0.0149
Permittivity, 1KHz:	Condition A	D150	4.28
	D24/23		4.28
Dissipation Factor, 1KHz:	Condition A	D150	0.0143
	D24/23		0.0195
U.L. Hot Wire Ignition		U.L. 746A	67 seconds
U.L. High Amp Ignition		U.L. 746A	200 + Exposure
U.L. temperature Index:	Electrical		130° C
	Mechanical		160° C

G2FR20 was formerly G3FR

Standard Sheet sizes are 36" x 72", 48" x 72", & 49" x 97"
 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.

www.itenindustries.com

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