

Iten Industries, Inc.

Politen® G3TR30 Performance Values

<u>Property</u>	<u>Test Condition</u>	<u>Test Method</u>	<u>Values @ 0.125" thickness</u>	
<u>PHYSICAL:</u>				
Tensile Strength:	Cond. A	Lengthwise	D-638	12,250 psi
		Crosswise		11,600 psi
Flexural Strength:	Cond. A	Lengthwise	D-790	24,700 psi
		Crosswise		23,300 psi
	Cond. D48/50	Lengthwise		23,600 psi
	Cond. D48/50	Crosswise		22,100 psi
Compressive Strength:	Cond. A	Lengthwise	D-695	27,900 psi
		Crosswise		25,800 psi
		Flatwise		>45,000 psi
Izod Impact (notched):	Cond. A	Lengthwise	D-256	12.5 ft.lb./in.
		Crosswise		9.8 ft.lb./in.
	Cond. D48/50	Lengthwise		10.7 ft.lb./in.
	Cond. D48/50	Crosswise		10.3 ft.lb./in.
	Cond. E48/50	Lengthwise		11.9 ft.lb./in.
	Cond. E48/50	Crosswise		10.8 ft.lb./in.
Water Absorption:	Cond. D24/23		D-570	0.16% of weight
Specific Gravity:	Cond. A		D-792	1.86
<u>FLAMMABILITY/THERMAL:</u>				
Flammability:			UL-94	V0
Comparative Track Index: (CTI)			UL 746A	500+ Volts
High Voltage arc Tracking Rate: (HVTR)			UL 746A	0.1 mm/Min.
Hot Wire Ignition: (HWI)			UL 746A	130+ seconds
High-current Arc Ignition: (HAI)			UL 746A	200+ Exposures
Relative Temperature Index: (RTI)		Electrical	UL 746B	105°C
		Mechanical	UL 746B	140°C
<u>ELECTRICAL:</u>				
Dielectric Strength:	In Air		D-149	403 Vpm
Dielectric Breakdown:	Cond. A		D-149	80+ kV
		Cond. D48/50		36 kV
Arc Resistance:	Cond. A		D-495	182 seconds
		Cond. D48/50		168 seconds
Permittivity, 1MHz:	Cond. A		D-150	4.08
		Cond. D24/23		4.12
Dissipation Factor, 1MHz:	Cond. A		D-150	0.009
		Cond. D24/23		0.012
Permittivity, 1KHz:	Cond. A		D-150	4.30
		Cond. D24/23		4.55
Dissipation Factor, 1KHz:	Cond. A		D-150	0.010
		Cond. D24/23		0.059
Permittivity, 60Hz:	Cond. A		D-150	4.38
		Cond. D24/23		5.23
Dissipation Factor, 60Hz:	Cond. A		D-150	0.005
		Cond. D24/23		0.224

Politen® G3TR30 (formerly G3TR) meets NEMA specifications for GPO 3
 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.

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