

Iten Industries

Politen® G1XG10 Performance Values

<u>Properties</u>	<u>Test Condition</u>	<u>ASTM</u>	<u>G1XG10 Values</u>	<u>G1XG20 Values</u>
Thickness			.125 inches	.125 inches
Flexural Strength:	Condition A	Lengthwise D790	35,000 psi	46,300 psi
	Condition A	Crosswise	30,200 psi	44,900 psi
	D-2/100	Lengthwise	31,300 psi	44,700 psi
Flexural Modulus:	Condition A	Lengthwise	1,330,000 psi	1,710,000 psi
	Condition A	Crosswise	1,290,000 psi	1,700,000 psi
	D-2/100	Lengthwise	1,210,000 psi	1,600,000 psi
Compressive Strength:	Condition A	Lengthwise	22,700 psi	31,400 psi
	D-2/100	Lengthwise	19,200 psi	27,200 psi
Tensile Strength:	Condition A	Lengthwise D638	19,300 psi	31,200 psi
Void Content	Condition A		2.2% Max.	2.1% Max.
Resin Content	Condition A		61%	49.9%
Barcol Hardness	Condition A		48	60
Cure by Flexural Strength Method:	E-24/105	Lengthwise	35,000 psi	47,000 psi
Divisor			18.1 cubic inch/lb.	16.2 cubic inch/lb

Politen® G1XG10 (formerly HXGLM) meets NEMA specifications for GPO 1

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

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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.

Imagineering With Plastics

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