

# Iten Industries

## Politen® G1XG20 Performance Values

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

Politen® G1XG20 (formerly HXG) meets NEMA specifications for GPO 1

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.

*Imagineering With Plastics*

April 3, 2019