



42 STEVE'S LANE, GARDINER, NY 12525 | PH 845-255-1044 | FAX 845-255-1597 | DKICONCRETE.COM

Typical Range of GFRG Properties (Chopper Gun)

Property	28-Day, (E)	Aged, (A)
Density (dry)	120 to 140 (pcf)	120 to 140 (pcf)
Compressive Strength	7,000 to 12,000 (psi)	10,000 to 12,000 (psi)
Flexural:		
Yield (FY)	900 to 1,500 (psi)	1,000 to 1,600 (psi)
Ultimate Strength (FU)	2,000 to 3,500 (psi)	1,300 to 2,000 (psi)
Modulus of Elasticity	1.0x10 ⁶ to 3.0x10 ⁶ (psi)	2.5x10 ⁶ to 4.0x10 ⁶ (psi)
Direct Tension:		
Yield (TY)	700 to 1,000 (psi)	700 to 1,100 (psi)
Ultimate Strength (TU)	1,000 to 1,600 (psi)	725 to 1,100 (psi)
Strain to Failure	0.6 to 1.2 (percent)	0.03 to 0.08 (percent)
Shear:		
Interlaminar	400 to 800 (psi)	400 to 800 (psi)
In-Plane	1,000 to 1,600 (psi)	725 to 1,100 (psi)
Coefficient of thermal expansion	Approximately 12x10 ⁻⁶ (in./in./deg F)	Approximately 12x10 ⁻⁶ (in./in./deg F)
Thermal conductivity	3.5 to 7.0 (Btu./in./hr./ft/deg F)	3.5 to 7.0 (Btu./in./hr./ft/deg F)