

QCI – Glass Fiber Reinforced Vinyl Esters & Polyesters

	QC-8777	QC-8850	QC-7753	QC-8560	QC-8700	QC-8770	QC-8800	QC-8816
Reinforcement % by weight.	38%	43%	50%	60%	63%	63%	63%	66%
Reinforcement Length	1"	1"	1"	1/2"	1"	1"	1"	continuous
Specific Gravity grams/ cc	1.3	1.7	1.74	1.9	1.87	1.85	1.9	1.95
Flexural Strength D-790 psi	34000	59000	58000	62000	92000	80000	85000	160000
Flexural Modulus D-790 psi x 10 ⁶	1.65	2.00	2.30	2.60	3.00	2.90	3.00	6.00
Tensile Strength D-638 psi	15200	39000	32000	38000	52000	50000	50000	90000
Tensile Modulus D-638 x 10 ⁶	1.38			3.9	3.9	3.5	3.8	
Poisson's Ratio D-638					0.39		0.45	
Comp. Strength D-695 psi			25000	56000			42000	
Notched Izod D-256 ft.lbs/in	18	30	30	24	33	35	36	70

Tensile and Flexural properties are determined using net shape molded specimens.