

QCI – Carbon Fiber Reinforced Epoxies - Lytex

	Lytex 4149	Lytex 4197	Lytex 4181	Lytex 4182
Carbon Fiber (PAN)	3K	3K	12K	12K
Reinforcement % by weight	55%	55%	55%	55%
Reinforcement Length	1"	2"	1"	1/2"
Specific Gravity grams/ cc	1.45	1.45	1.45	1.45
Flexural Strength D-790 psi	89,000	100,000	60,000	45,000
Flexural Modulus D-790 psi x 10⁶	5.5	6.8	4.5	4.0
Tensile Strength D-638 psi	42,000	42,000	30,000	20,000
Tensile Modulus D-680 psi x 10⁶	8.0	9.0		
Comp. Strength D-695 psi	40,000			
Notched Izod D-256 ft.lbs/in	18		15	15
Tg, DMA D-4065	347° F		347° F	

Tensile & Flexural Properties are determined using net shape molded specimens