



INDUSTRIAL APPLICATIONS



Aerospace



Circuit Boards



Marine

INNOVATION WITH INTEGRITY

Marine

Innegra™ is a high performance fiber used to enhance carbon & glass composites.



Founded in 2004, Innegrity LLC is a thermoplastic fiber manufacturer located in Greer, South Carolina. Through innovative research and use of polymer science technology, Innegrity invented and patented a new fiber: Innegra™ S. This fiber has been specifically designed for use in composite materials. When combined with traditional materials used in composites, Innegra™ S enhances the performance of these fibers allowing the design of totally new engineered composite materials.

* (Patent 7,074,483 Issued 7/11/2006; 8 additional patents pending.)

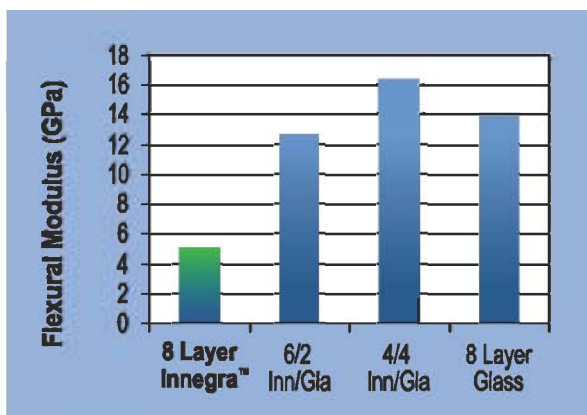
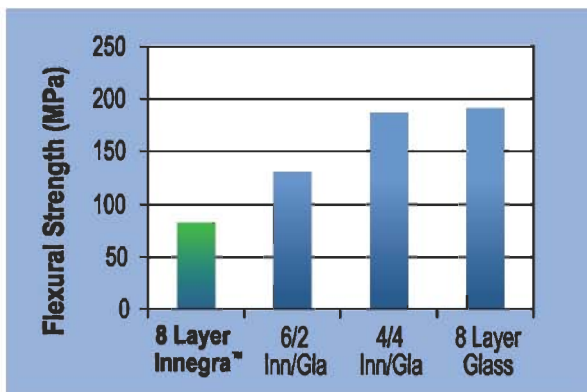
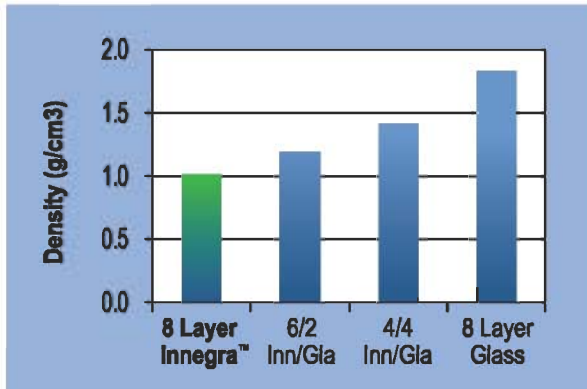
Innegra™ S has a unique set of fiber character traits:

- ***High modulus***
- ***Great toughness***
- ***Lightweight***
- ***Excellent chemical resistance***
- ***Low dielectric constant***

Advantages in Marine Applications

In marine composites, Innegra™ improves composite properties:

- Reduce composite weight at same stiffness
- Increased toughness and chemical resistance

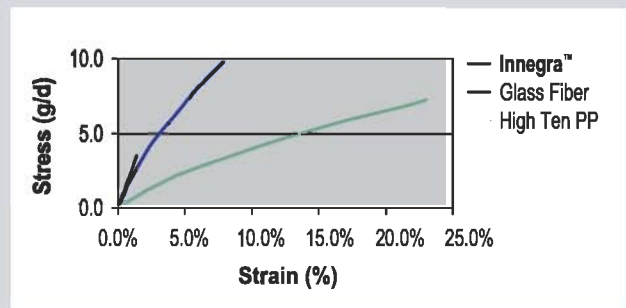


INNEGRA™

HIGH PERFORMANCE FIBER

Innegra™ Fiber Technology Characteristics

- High modulus
- Great toughness
- Light weight (density 0.9 g/cm³)
- Excellent chemical resistance (polyolefin based)
- Low dielectric constant (2.0) and loss (0.0002)



Innegra™ fiber has high tenacity, the modulus of fiberglass but retains the chemical resistance of a polyolefin.

Fiber	Tenacity (g/d)	Modulus (g/d)	Toughness (g/d)
Glass	3.5	250	0.03
Innegra™	9	225	0.6
Kevlar (aramid)	23	950	0.3
Spectra (UHMWPE)	30	1400	0.7
Carbon	11	3300	0.02

Innegra™ fiber delivers a combination of strength, modulus, toughness and dielectric constant that are uniquely qualified for fiber reinforced composites.

59 C Concourse Way • Greer, SC 29650

ph: 864.248.6077

www.innegrity.com

email: Info@Innegrity.com

INNOVATION WITH INTEGRITY