



Innega™ S High Performance Fibers



Sporting Goods



Ballistics



Marine

LIGHTWEIGHT

Innega S high performance fiber is the lightest fiber available, delivering superior toughness in a composite while at the same time reducing weight.

TOUGH

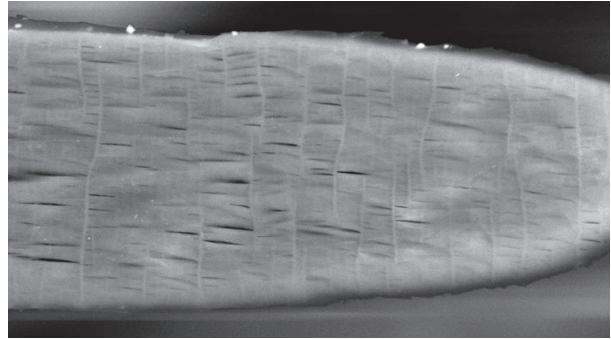
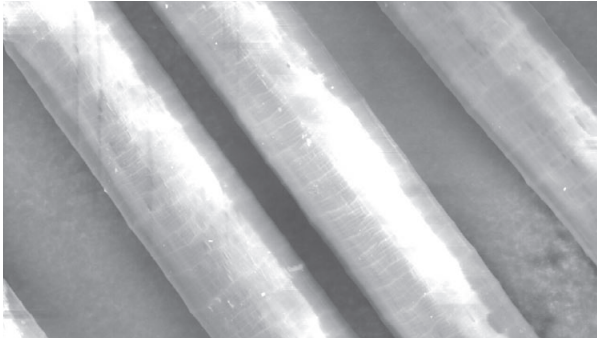
In both glass and carbon composites, Innega S dramatically increases the composite toughness and impact resistance.

LOW COST

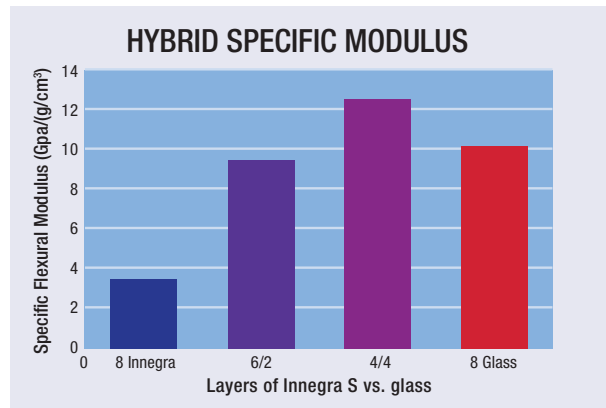
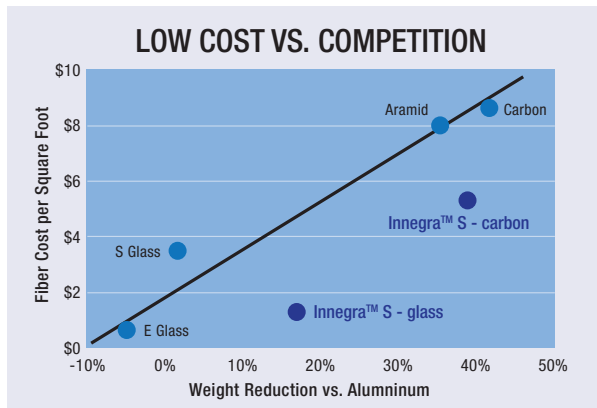
Innega S delivers the benefits of high performance fibers such as aramids and carbon at a fraction of the cost. Hybrid aramid panels have proven to have the same ballistic performance as all-aramid panels at dramatically lower cost.

Innovation with Integrity

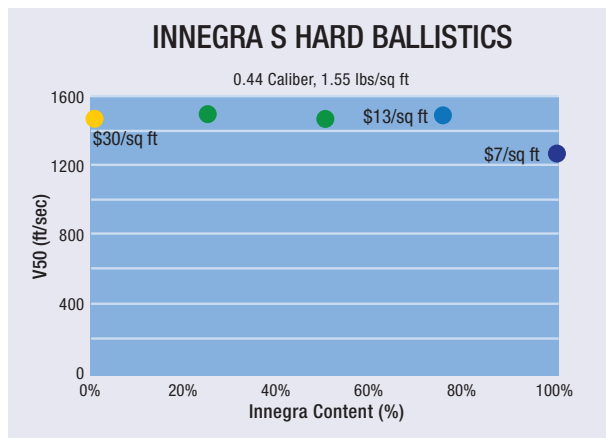
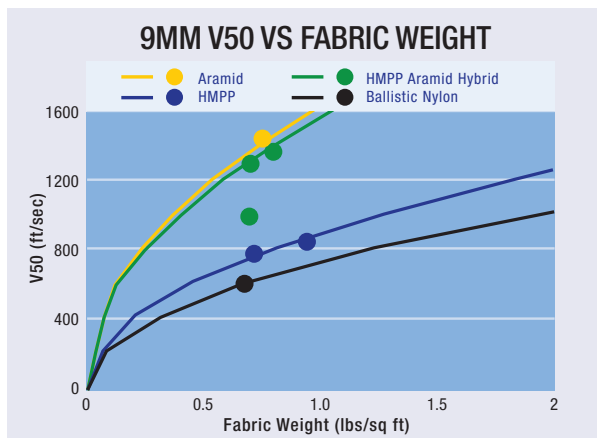
Technical features



Innegra™ S has unique surface features that give it superior grip, both in fabrics and in composites. It also contains approximately 7-10% void volume, making it the lightest high performance fiber available.



When panels of equal stiffness are compared, Innegra S allows lighter weight composites at a lower cost than other fibers.



When combined with aramid fabrics, soft panels containing Innegra S fiber performed as well as those made with all aramid fiber at a significantly lower cost.

Hard panels made from Innegra S, aramid fiber and thermoplastic resins gave Level IIIA performance at light weight and low cost.



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