DYNEEMA® CARBON

WHY DYNEEMA® CARBON?

You’ve tried hybrid composites before. What happens when you add Dyneema® to carbon?

DUCTILE
When carbon composites break it shatters. Add Dyneema® and if it fails, it stays together. Better for safety, and for components that even if they break, can still keep working.

LIGHT
Carbon is light. Dyneema® is lighter. So if reducing weight and maintaining strength is important, now you can do both.

VIBRATION
Dyneema® has more energy. Athletes using Dyneema® Carbon hybrid composites in their sports equipment will feel much less vibration.

EARLY ADOPTERS
Superlight solar car built with Dyneema® Carbon hybrid composite base plate for protection against road debris.

Dyneema® is combined with carbon fiber to make a fabric that can be tailored to meet a variety of performance requirements.

DESIGNING WITH DYNEEMA® CARBON

Representative performance tests for a Dyneema® Carbon hybrid composite comprised of 30vol% carbon, 20vol% Dyneema® and 50vol% resin.

By adjusting the amount of Dyneema® in the composite you can increase and reduce the desired performance in impact strength, vibration damping and weight.

PERFORMANCE TESTING

Superlight hockey sticks for better feel.

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SUPERLIGHT CARBON HYBRID COMPOSITES

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