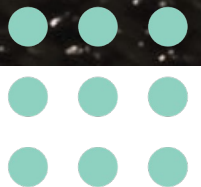
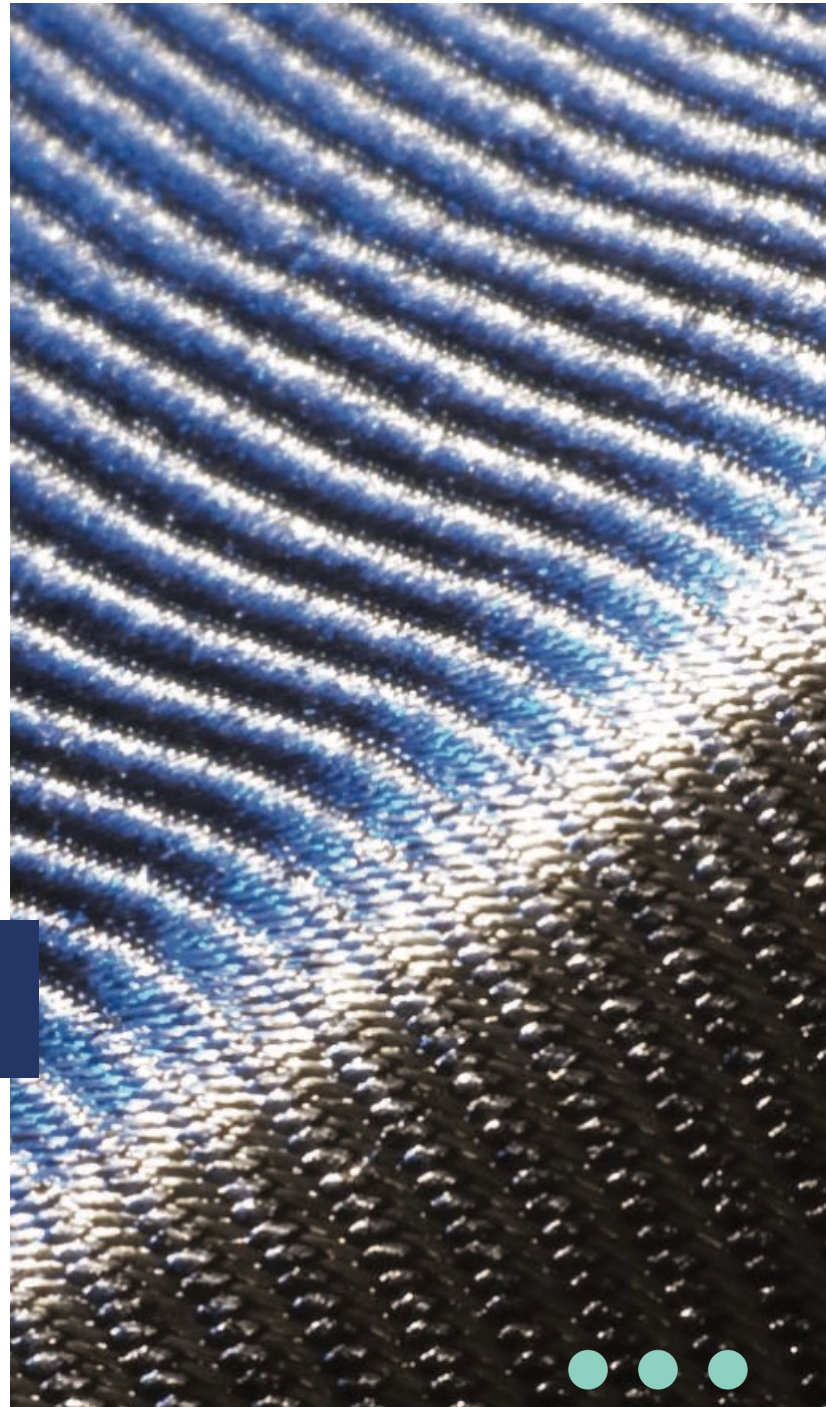
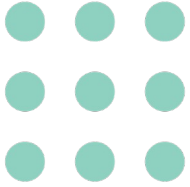




PREPREG

CATALOG





# ABOUT PREPREG



## PRE-IMPREGNATED MATERIALS

Pre-impregnated materials (prepregs) are reinforcement textiles into which a pre-catalysed resin system has been impregnated by a machine. The resin systems in these materials react only very slowly at room temperature, allowing a long shelf life and are cured by heating them to the prescribed elevated temperature.

Fiber reinforced composites have excellent elastic properties. When one bends metal, it will yield or dent. However, when composites are bent, they want to naturally snap back into place. This feature is ideal for springs and why they are commonly used in prosthetic feet, leaf springs and in the limbs of archery bows. Certain composites, such as those made with fiberglass, are also non-conductive of electricity.

BTC O&P has added a new Signature Prepreg line to make fabrication easier, use less layers of material, reduce fabrication scrap and provide the ability to do custom finishes without a second lamination. Our wide range of Prepreg materials are stocked and ready to ship to your clinic, with expert technical support and training available.

# PREPREG TRAINING



## PREPREG TRAINING

BTC O&P offers special on-site & hands-on seminar for your clinic staff with 14.25 ABC credits. Learn new skills, techniques & best practices for using prepreg.

Taught by Richard Hughes, O&P renowned certified instructor with more than 40 years of experience in advanced fabrication processes.

Why do formal training?

- Create a structure for success
- Enable implementation
- Create a consistent lab process
- Broaden clinical scope of delivery
- Learn to create advance composite options for patients
- Enhance patient potential with custom designs
- Enable artisan skill into composites

Training includes:

1. Complimentary product application introduction video conference
2. Two-day seminar in your own lab; earn 14.25 ABC credits!
3. Complimentary post-training problem solving and application assistance

*Call 800-741-3806 for rates, details and scheduling*



# PRODUCTS

OGC/S3  
&  
OGC/S6

## Orthopedic Grade Composite – Structural

- Unidirectional prepreg
- Choice of light 300 GSM 0.4m/15.7in wide or heavy 600 GSM, 0.4m/15.7in wide
- High-strength UD prepreg system ideal for use in dynamic structural sections
- Excellent mechanical properties
- Excellent handling & processing properties during lamination
- Ultra high clarity – ideal for cosmetic components with no white-wash or spots
- Versatile process window allows for vacuum bag and press molding
- Fast 90 min cure at 120°C on polyethylene and foam models
- Excellent tack allowing easy in-mold repositioning
- Sourced from the USA

OGC/R2  
&  
OGC/R6

## Orthopedic Grade Composite – Rigid

- Bidirectional prepreg
- Selection choice of either 12K twill or 3K twill, 1.27m/48.4in wide
- Ultra high clarity – ideal for cosmetic components with no white-wash or spots
- High-strength prepreg system
- Versatile process window allows for vacuum bag and press molding
- Fast 90 min cure at 120°C on polyethylene and foam models
- Excellent tack allowing easy in-mold repositioning
- Ultra high clarity
- Sourced from the USA



# PRODUCTS

OGC/F1

## Orthopedic Grade Composite – Textile

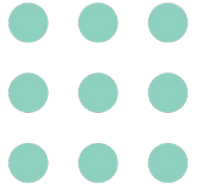
- Bidirectional flexible textile to be used with OGCA2
- Plain weave
- Bi-directional
- 14.5 x 14.5
- Weight 3.60 oz/yd<sup>2</sup>

OGC/A2

## Orthopedic Grade Composite – Adhesive

- Allows bringing of non-prepreg textile into any layup
- Easy to use with great adhesion
- Allows for the use of decorative lycra knits
- 1.27m/48.4 in wide

# ABOUT US



## NORTH AMERICAN DISTRIBUTOR OF ORTHOTIC & PROSTHETIC GOODS

BTC O&P LLC brings over 40 years of experience in global business development, lead time reduction, logistics and just-in-time solutions to work for you. Servicing North America from our metro-Detroit, Michigan headquarters, we are dedicated to fulfilling your product needs with an inventory of stocked O&P items from leading global manufacturers that can be shipped out same day. Our passionate team provides unrivaled support & service and the accessible, transparent, and hassle-free supply chain you need for your clinic to flourish.



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