

## PRODUCT HIGHLIGHT

### DESCRIPTION

Toray PMC CFRT® XTX-Orthotics are lightweight, high strength laminates that are available in several rigidity types ranging from Ease Flex to Ultra Rigid.

### FEATURES

- Thin, durable material for custom orthotics for use in broad range of applications from dress shoes to athletics
- Four XTX grades are available: Ease Flex, Semi Rigid, Rigid, and Ultra Rigid
- Easy to mold and finish, requiring no special handling
- Value/performance leader
- High performance - yet economical

### AVAILABLE PATTERNS



### PRODUCT TYPE AND COMPOSITION

Toray PMC CFRT® Reinforced Carbon & Glass Fiber  
Polypropylene Thermoplastic Biaxial Laminate

(Continuous Fiber reinforced Thermoplastic)

### SHELF LIFE

Stable indefinitely at 25°C (77°F)

No special storage conditions required.

### TYPICAL APPLICATIONS

- Orthotics

### PRODUCT SELECTION

XTX Code	Description	Thickness	Heating Time @ 400°-420°F (204-216°C) Oven
XTX-EF	Ease Flex	1.6/0.063 (mm/in)	3 minutes
XTX-SR	Semi Rigid	1.9/0.075 (mm/in)	4 minutes
XTX-R	Rigid	2.5/0.098 (mm/in)	4.5 minutes
XTX-UR	Ultra Rigid	3.0/0.118 (mm/in)	5 minutes

### AVAILABLE SIZES

cm	inches
8.3 x 17.8	3.25 x 7
8.9 x 19.1	3.5 x 7.5
10.2 x 20.3	4 x 8
10.2 x 21.6	4 x 9
10.2 x 30.5	4 x 12
12.7 x 22.9	5 x 9
15.2 x 30.5	6 x 12
61 x 91.4	24 x 36
91.4 x 122	36 x 48

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### PERFORMANCE

- › Composite structure for thinness and high strength
- › Unique resin designed for high resistance to cracking, impact, and fatigue
- › Superior recoil and spring characteristics
- › Deep heel cups and directional rigidity for greater foot support and control
- › Can be reheated and remolded

### FABRICATION

- › Easy to mold - allows deep heel cups • can be reheated and remolded • indefinite shelf life, no special storage conditions • easy to machine and finish • post adjustment with heat gun
- › Equipment required: oven, vacuum former, mold cast, release liner (Teflon), gloves
- › 1. Set the panel on release liner and place in oven at 200°C (400°F) for 3-5 minutes (see time grid)
- › 2. Place the softened panel on mold.
- › 3. Promptly apply vacuum and close the rubber membrane.
- › 4. For the deep arches, massage out any wrinkles by hand.
- › 5. After about 1 minute, remove molded insert and trim.