

T-FLEX® H
Optimized for Hard Armor

T-Flex® H unidirectional fabric is your ultimate hard armor solution. It is safer and more user-friendly than the competition. T-Flex® H has no shelf life issues, no volatiles, no ozone depleting manufacturing processes or substances, fast molding cycle time, plus it is easy to cut and handle. Lightweight and tough, T-Flex® H high energy absorption provides powerful protection against ballistic impacts, blasts, and fragments.

Benefits:

- 5-Times Stronger Than Steel
- Press or Autoclave Moldable
- Exceptional Impact Energy Attenuation / Absorption
- High Strength-to-Weight Ratio
- Meets NIJ Standards
- Extreme Temperature Resistance
- Improved Stiffness

Applications:

- Military Hard Body Armor
- Law Enforcement Shields & Helmets
- Vehicle Armor Systems
- Aircraft Armor Systems
- Structural Composites
- Marine Armor Systems and Shields


Technical Specifications

Multiple Layer Lamination	0/90 or any combination
Resin Content	15%-20%
Filaments	50% more than traditional aramid
Weight/Thickness	5.75 +/- 0.2 oz/yd²
Standard Widths	48"
Yards per Roll	300
Fiber Content	1000 denier 2000 series Teijin Twaron