



Thermal Tech & Temp

880 North Madison Street,
Crown Point, Indiana 46307

info@thermaltechtemp.com www.thermaltechtemp.com
sales@thermaltechtemp.com Main Office: 1.219.213.2093

1.800.674.9284

KEVLAR | TTT

Description:

Developed in 1965, KEVLAR is a fairly modern fabric with an innumerable amount of applications across many industries. Known for its heat-resistance and incredible strength, KEVLAR has found itself used as an essential component in protective equipment used by fire fighters, police officers, SWAT, security guards, etc. It's not just used in bullet-proof vests, but also in tires, clothing, sound equipment, archery, aerospace, etc.

KEVLAR is an aramid fiber blend over a fiberglass core yarn. It can be used to produce high temperature sleeves, heat shields and curtains, tadpole seals, etc.

Advantages:

KEVLAR is most notably recognized for its durability and ability to withstand impact, due to its high tensile strength-to-weight-ratio. It is known to be five times stronger than steel. In terms of temperature, KEVLAR can not only maintain its durability down to cryogenic temperatures, but is even found to be stronger in such conditions. In intense heat, the tensile strength is found to reduce by 10% after exposure to 160 °C (320 °F) for 500 hours.

Applications:

Values:

- Preheat blankets
- Kneeling pads
- Protecting hoses
- Cables
- Welding neck protector
- Welding gloves

WEIGHT: 22 oz/sy +/- 10%

THICKNESS: .08 inches +/- 10%

COUNT: 20 x 11

TENSILE STRENGTH:

WARP: 225lbs. / inch

FILL: 150 lbs. / inch

TEMPERATURE RESISTANCE: 600°F