

COOLER



Ultra-High Molecular Weight Polyethylene (UHMWPE) is a subset of polyethylene that is composed of very long chains of polymers with a very high percent of parallel orientation and high level of crystallinity.

The extremely long polymer chains enable load transfer by strengthening intermolecular interactions. UHMWPE fibers are manufactured in a gel spinning process.

UHMWPE fiber is used to create a yarn with very high thermal conductivity drawing excess heat from the body to create a comfortable sleeping environment. COOLER is cool to the touch and because it is a fiber, not a finish, it will last the life of the fabric.

Additional benefits include:

- Excellent strength to weight ratio
- High abrasion resistance
- Low specific gravity
- UV stable
- Resistant to fatigue & internal friction



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