



EHP - Engineered Hybrid Power® High Performance Core Yarns

EHP® High Performance Core Yarns made from an unique hybrid blend of Spectra® and Aramid fibers.

When Performance Matters!

*72K EHP outperforms traditional 60,000 polyester by over 3 times!

* 108K EHP minimum certified breaking strength of 4900lbs!



108K EHP with a red & green marker

- Lightest weight high performance core yarns on the market.
- Superior strength-to-weight ratio promotes easier handling, rigging and transporting.
- Low Stretch – Less than 1% at rated capacity.
- Made In the USA!

Material Benefits

Spectra® Fiber	Technora® Para-Aramid
Very high tensile strength—15x stronger than steel	Very high tensile strength
High resistance to most chemicals, water and ultraviolet light	High chemical Resistance
Highly resistant to flex fatigue	Excellent fatigue resistance
Low coefficient of friction	Good heat resistance
Good resistance to abrasion	Enhanced aramid for ropes



72K EHP with a green marker



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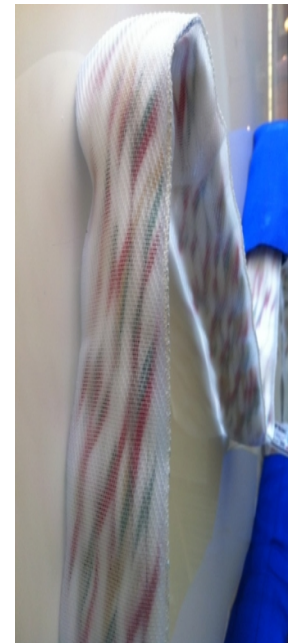
EHP Specific Gravity
approx. 1.1

4 X Less Creep with
EHP vs. 100% HMPE
products at working
load!

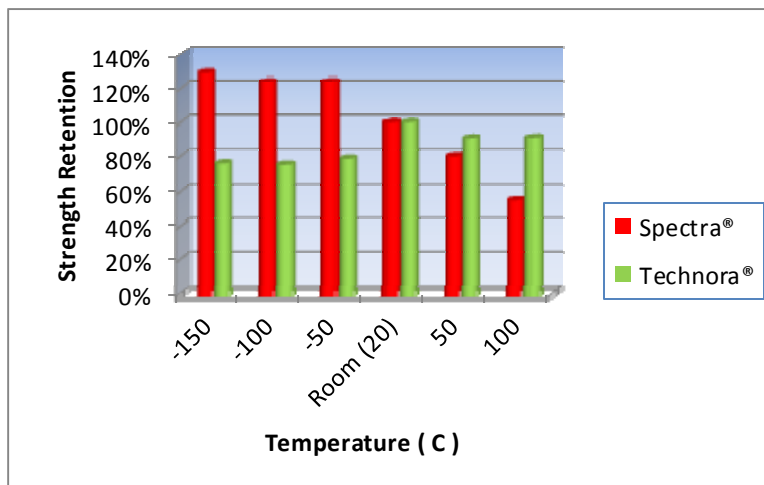
The Benefit of our Hybrid EHP:

- By scientifically blending Technora Fiber with Honeywell Spectra® Fiber the resulting EHP Hybrid has improved characteristics in several areas.
- As **Technora®** loses strength at low temperatures **Spectra® fiber** gets stronger, while **Technora®** maintains its strength at higher temperatures.

Chemical Resistance	
Spectra® Fiber	Technora® Para-Aramid
EHP Materials perform well in the following environments	
10% Detergent Solution	Cement
Hydraulic Fluid	Coolant Fluid (HW540)
Gasoline, Kerosene, Toluene	Gasoline, Benzene, Para-Xylene
Seawater at Ambient Temperatures	Seawater at Temperatures up to 100 C
Nitric, Sulphuric, & Phosphoric Acids (50% by volume)	Hot Water, Saturated, & Super-Saturated Steam up to 120 C



Scientifically
Engineered for
Maximum
Strength



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All data contained herein is from the fiber manufacturers. Filtec certifies the breaking strength of its EHP core yarns. No other warranty is expressed or implied.