

# **SO YOU THINK** L HMPE IS THE SAME?

It's not, and here's why... 3 things to consider:

#### **TRUSTED STRENGTH**

#### SERVICE LIFE

#### RELIABILITY



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When measured, Dyneema<sup>®</sup> SK78 matches its claimed strength of 35 cN/dtex, while other generic **HMPE fibers show** significant variation, being up to 22% lower in strength.



**GENERIC HMPE: VARIATIONS IN MEASURED STRENGTH** 





### **SERVICE LIFE**

Why does a rope made with Dyneema® SK78 last so much longer than a rope with generic HMPE?

Dyneema® massively outperforms all generic HMPE in abrasion and creep lifetime comparisons.

### SAME STRENGTH ≠ SAME SERVICE LIFE

In order to be as strong as a high quality rope with Dyneema<sup>®</sup> SK<sub>7</sub>8, a generic HMPE rope has to adapt the rope construction by increasing the lay length of the strands and

increasing the braid period. As a consequence the combination of the rope construction and the intrinsic generic HMPE performance reduces the service life.



**GENERIC HMPE ROPE** 





#### **ABRASION** LIFETIME

Generic HMPE ropes show 4 times less abrasion lifetime as compared to ropes with Dyneema<sup>®</sup> SK<sub>7</sub>8, which are seen as benchmark in the industry.



### **CREEP LIFETIME**

Ropes made with Dyneema<sup>®</sup> have up to 4x longer creep lifetime compared to generic HMPE.



\*Under equal load and temperature.



## RELIABILITY

#### **Only Dyneema® delivers consistent quality**

Dyneema® has the most uniform fiber thickness when compared with generic HMPE fiber. Choosing Dyneema® ensures you have the best and most stable performance characteristics in your rope.







#### FEEL SECURE. **ONLY WITH DYNEEMA®**

#### For more information visit www.dyneema.com/maritime

Dyneema

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Stronger yet lighter Mooring & Tow Ropes Handle bigger vessels faster and safer, with fewer crew Mooring ropes and tow ropes with Dyneema® SK78 sets the performance benchmark. But the industry must also cut costs. They're lighter, stronger, and easier to handle than alternatives. Plus safer and more durable too. Secure the giants of the Faster mooring operations Consistent high quality from each

Ropes made with Dyneema@ 5K78

oceans



and every fiber in the rope Less accidents with limited rope