

HMPE / UHMWPE Yarn

In the technical textile industry almost everybody is aware of the name Dyneema which is today a household synonym for HMPE, high modulus polyethylene or UHMWPE, Ultra High Molecular Weight Polyethylene.

This fiber is one of the strongest fibers currently available on the market and has very interesting properties:

- **high strength**
- **low specific gravity**
- **extremely low elongation**
- **extremely high abrasion resistance**
- **high cut resistance**
- **good chemical resistance**
- **high uv resistance**
- **extremely flexible and soft, easy to handle**

Technical specifications	Value
DTEX RANGE	55 > 6000
TWIST	Z / S
BRAKING TENACITY g/d	28 > 38
ELONGATION at break %	3,1 > 3,6
TENSILE MODULUS g/d	850 > 1250
CREEP % (40%-58% ultimate tensile strength)	1,7 > 5

This data is provided for informational purposes only, and does not constitute a specification

HMPE or UHMPE yarn could be used for a variety of industrial applications, such as strength members synthetic wire rope or technical fabrics

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Material	Resistance					
	UV	Flame	Abrasion	Chemical Acid	Chemical Alkali	Chemical - Organic Solvent
HMPE						

* Indicative properties, classified by colors as **LOW**, **MEDIUM**, **HIGH**.
**Actual performance will depend on the rope construction and application



PACKAGING INFORMATION

Tube internal diameter	72, other tuber on request
Mt/bobbin	On request
Diameter of bobbin	On request
LxWxH	120x120x105
	115x115x105
	130x110x105

