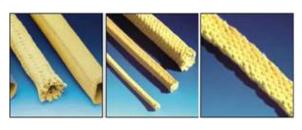
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## **PARA-ARAMIDE TEXTILES**

## **DESCRIPTION:**



PARA-ARAMIDE TEXTILES are textile materials made from Para-aramid yarns (Kevlar<sup>®</sup> DuPont or Twaron<sup>®</sup> Teijin), employed in various industrial and protection applications.

They are available in form of fabrics, tapes, sleeves, packings and braided ropes.

## **ADVANTAGES:**

- Heat resistance

Para-aramide yarns with stand heat up to a temperature of 350  $^{\circ}$  C. In order to increase temperature resistance textiles are also available with an inner core of glass fibers filaments : a composite structure allows new products to with stand temperatures up to 450  $^{\circ}$  C

- Wear resistance

Para-aramide yarns have excellent wear resistance, much higher than glass or carbon fibers . The inner-core glass fiber version does not affect the wear resistance.

- Chemical resistance

Para-aramide yarns resist to most acids, alkali, solvents and other corrosive liquids and are particularly suitable for sealing and for the steel, aluminum, glass industries.

## **AVAILABILITY** (\*):

- standard type (100% para-aramide)
- glass fiber core version
- standard type self-adhesive NITTO (adhesive working temperature up to 180°C)
- standard type self-adhesive silicone (adhesive working temperature up to 200°C)

PROPERTIES (para-aramide yarn 1,45 g/cm³)	UNITS	VALUE
Tensile strength	Kg/mm <sup>2</sup>	285
Tensile modulus	Kg/mm <sup>2</sup>	13.000
Elongation	%	2,4
Working temperature	°C	350-450
Decomposition temperature	°C	550