

## 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 withstand heat up to a temperature of 350 ° 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 withstand temperatures up to 450 ° 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)

<b>PROPERTIES (para-aramide yarn 1,45 g/cm<sup>3</sup>)</b>	<b>UNITS</b>	<b>VALUE</b>
<b>Tensile strength</b>	Kg/mm <sup>2</sup>	285
<b>Tensile modulus</b>	Kg/mm <sup>2</sup>	13.000
<b>Elongation</b>	%	2,4
<b>Working temperature</b>	°C	350-450
<b>Decomposition temperature</b>	°C	550

(\*) Customized solutions available on demand