



# PRECISION CUT AND PULLED ARAMID FIBRES

Procotex Corporation is a leading producer and exporter of recycled aramid fibres. Leftovers are collected worldwide to be pulled in our factory and are mostly used in the spinning or in the non-woven industry (textile industry). Procotex Corporation can also precision cut all types of aramid tow for usage in very high technical applications such as injection moulding, thermosetting applications etc. We can also cut to order fibres supplied by the customer himself.

## ARAMID FIBRE CHARACTERISTICS

Aramid fibers share a high degree of orientation with other fibers such as ultra-high molecular weight polyethylene, a characteristic which dominates their properties.

| ▼ GENERAL   | ▼ PARA-ARAMIDS   |
|---|--|
| - Good resistance to abrasion                     | - Certain para-aramid fibres provide outstanding strength-to-weight properties |
| - Good resistance to organic solvents             | - High Young's modulus   |
| - Non-conductive                                  | - High tenacity  |
| - No melting point, degradation starts from 500°C | - Low creep  |
| - Low flammability                                | - Good or medium elongation at break (from 2.5 to 4%)                          |
| - Good fabric integrity at elevated temperatures  |  |

## MAJOR INDUSTRIAL USES OF PULLED (RECYCLED) OR SHORT CUT ARAMID



**FLAME-RESISTANT CLOTHING**  
F.e spun aramid yarns used in protective gloves



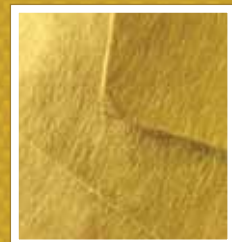
**HEAT PROTECTIVE CLOTHING**



**THERMOSETTING COMPOSITE MATERIALS**



**ABLATIVE & FRICTION MATERIALS**  
Replacement of asbestos (e.g. brake linings)



**HOT AIR FILTRATION FABRICS (NON-WOVENS)**



**MECHANICAL RUBBER & ELASTOMER GOODS REINFORCEMENT**



**ROPES & CABLES**



**GASKETS**



**FIBRE-REINFORCED THERMOPLASTIC AND ELASTOMER (PIPES)**



**JET ENGINE ENCLOSURES**