



FRAGRANCE FIBRES



Multi-component composite fibre having slow release of active agents

Multi-component composite fibres having fragrance and/or anti-bacterial slow release during long periods of time and washing fastness.

The materials: Thermoplastics and polymeric microspheres

Cross section configurations: sheath/core; side-by-side; island-in-the-sea; monocomponent

Material	Linear density (tex)	Tenacity (cN/tex)
Polypropylene fragrance fibre	28	30
PP (reference)	33	35

Partnership:



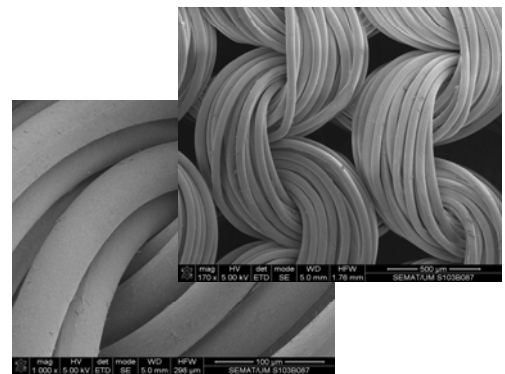
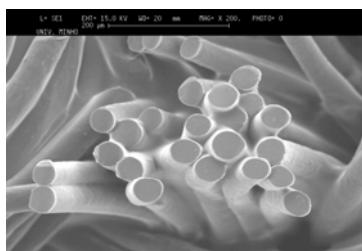
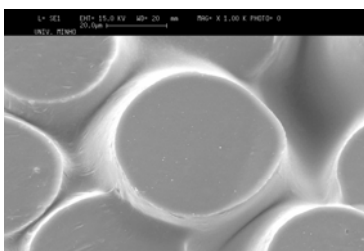
BIO FIBRES

Biodegradable fibres for Bone Tissue Engineering Applications

The materials: Polybutylene succinate (PBS)

Cross section configurations: monocomponent

Material	Linear density (tex)	Tenacity (cN/tex)	Elongation (%)
PBS	66	14	100
PLA (reference)	18	2,5 – 5,0	10 - 70



Partnership:



FCT Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

CONDUCTIVE FIBRES

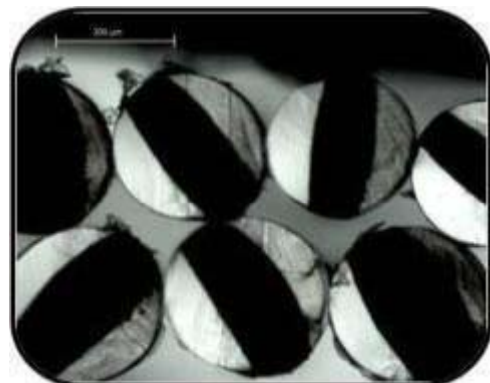
Nanostructured polymer-based conductive fibres



The materials: Thermoplastics and carbon-based conductive polymer (CPC)

Cross section configurations: sheath-core and side-by-side

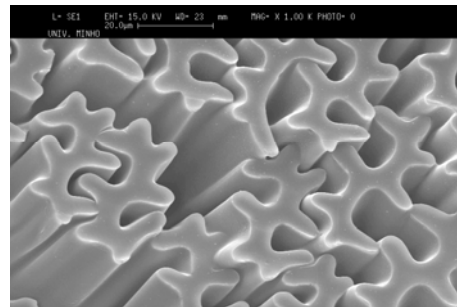
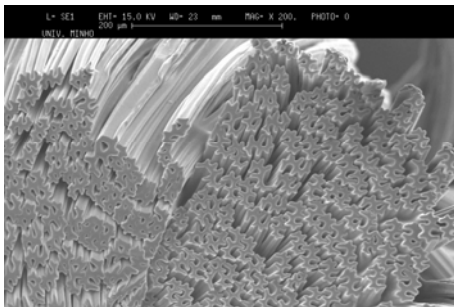
Cross section	Composition	Linear density (tex)	Tenacity (cN/tex)	Electrical resistance (ohm/cm)
Sheath-Core	80%PP/20%CPC	24	4	1,65E+05
Side-by-Side	80%PP/20%CPC/80%PP	37	6	6,87E+03
Monocomponent	100% CPC	41	4	4,07E+03



FIT Fibres Collaboration

4DG The World's fastest-wicking fibre

4DG fibres have a special, highly modified cross section that provides several deep grooves that run along the length of each fibre. These channels are useful for achieving a number of different functions, Capillary Wicking; Filtration; Thermal Insulation; Acoustical Insulation; Material Delivery. 4DG fibers are available in either staple or filament forms, and in a wide variety of polymers



FIT Fibres Capabilities:

Staple Fibres

Filament Yarns

Bi-component Fibres

Specialty Cross Sections

Huge Selection of Materials

Partnership:

