

CONTACTS



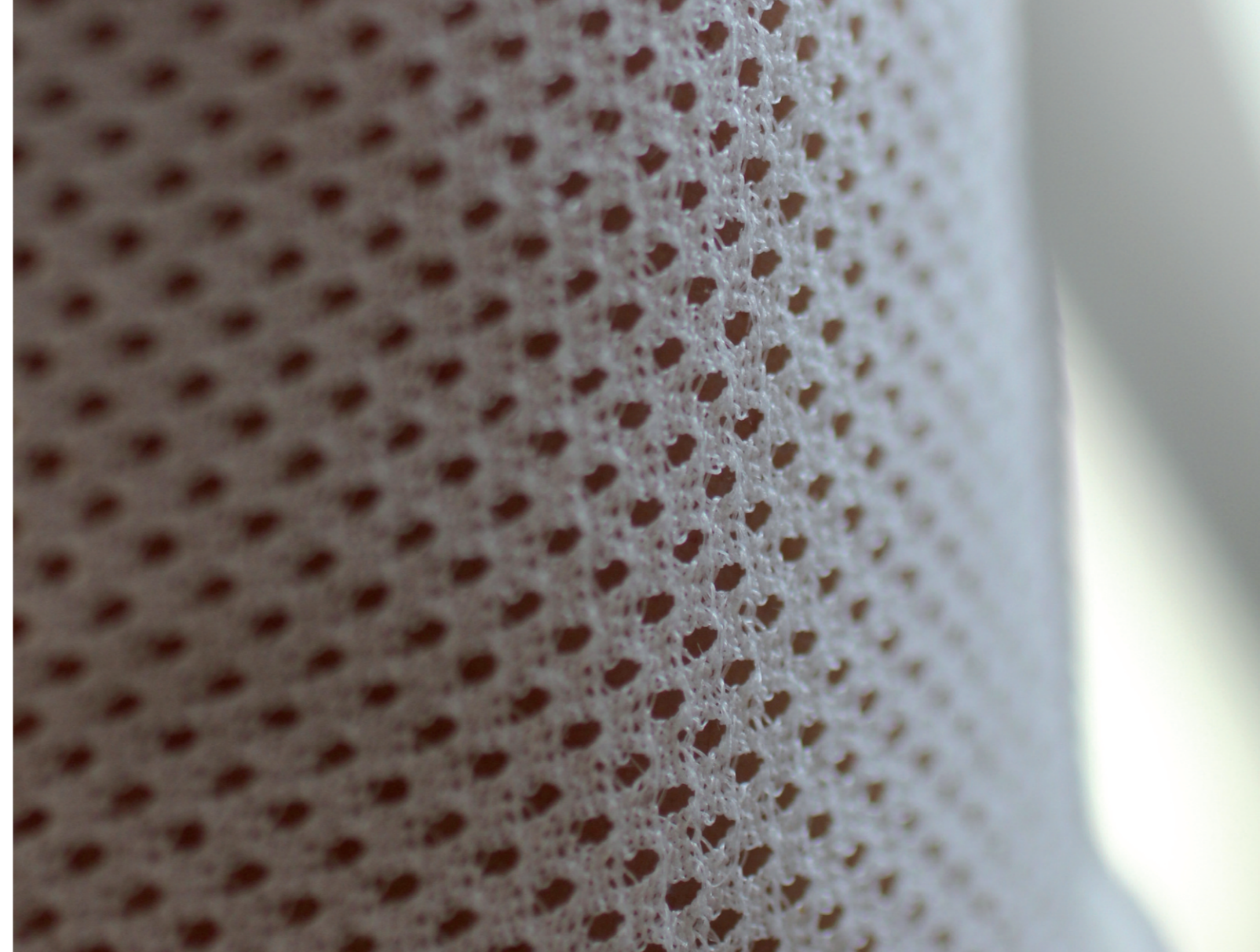
Pierre Defaux – pierre.defaux@bluestarsilicones.com
Marine Willemse – marine.willemse@bluestarsilicones.com
Tel.: +33 4 72 13 19 00
www.bluestarsilicones.com
Booth B87 Hall 3.1



Directeur : Patrick Massebeuf - p.massebeuf@massebeuf-ft.com
R&D Manager : Pascal Nowak - p.nowak@massebeuf-ft.com
R&D Eng : Anne Bouchet - projet.innovation@massebeuf-ft.com
Tel.: +33 4 75 87 82 10
Booth B73 Hall 3.1



Commercial Manager : Anne Plat - aplat@texinov.fr
R&D Manager : Nadège Boucard - nboucard@texinov.fr
Tel.: +33 4 74 97 44 75
www.texinov.fr
Booth C90 Hall 3.1



INNOVATIVE SILICONE BASED WARP KNITTED TEXTILES



With the financial support of



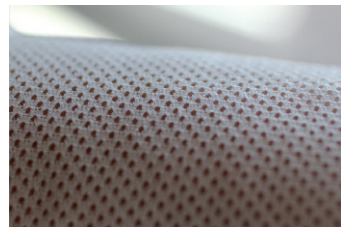
OUTSTANDING INNOVATION...

2D & 3D Si based textiles...

Bluestar Silicones, Massebeuf Textiles and MDB Texinov have co-developed a new range of highly flexible textiles. These innovative textiles are knitted, made with yarns that have been precisely sheathed with a specific silicone elastomer.

The use of these new silicone sheathed yarns clearly opens a realm of possibilities in the design of innovative textile structures with higher flexibility, improved mechanical and thermal properties.

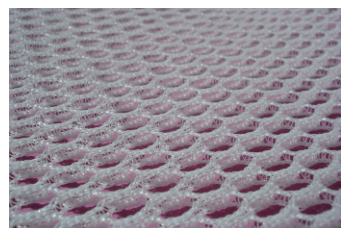
... for many applications



2D PET/Si

Medical textile

- 2D or 3D conformable PET/Si textile
- Fully open structure ideal for exudate transfer
- Class VI according USP 35 NF 30
- Anti-slip effect



3D one side GF/Si other side GF

Composite

- Heat resistance (Glass/Si)
- Increase of mechanical durability
- Complex and rude forms
- Chemical resistance

Markets

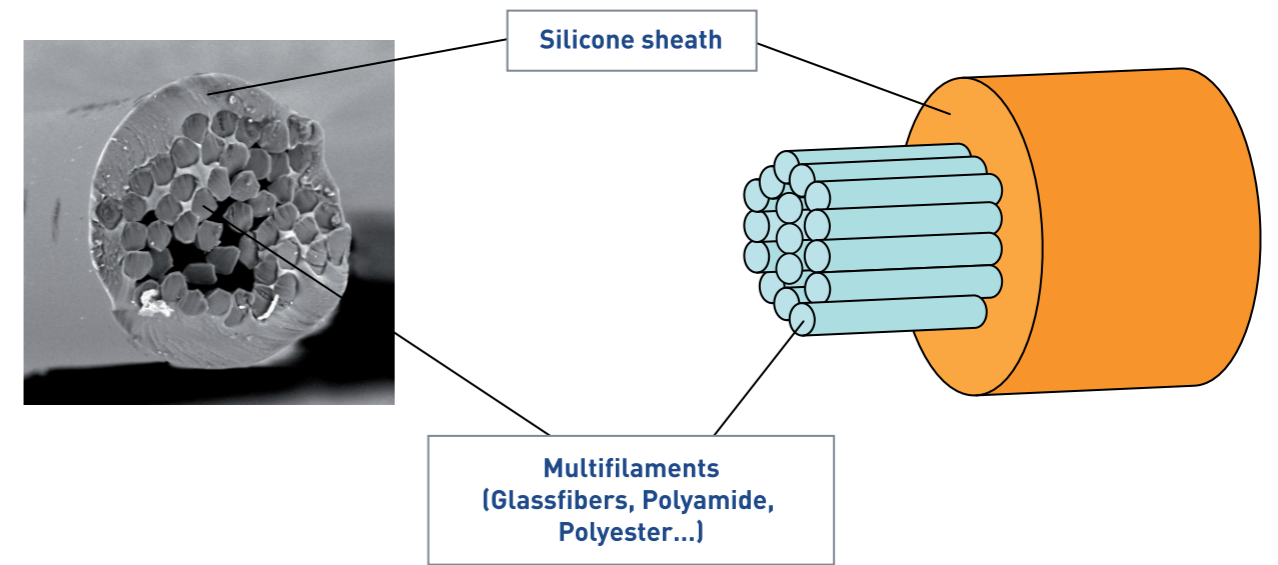


Medical



Industry

... DEVELOPPED BY THREE MARKET LEADERS



The silicone elastomer was developed in order to offer the best profile in terms of viscosity and reactivity for the sheathing process, as well as mechanical properties and adhesive strength on the yarns in order to deliver durable protection.



An innovative process for the coating of the yarns, ensures optimized silicone deposition and curing, as well as the proper post-treatment for the yarns to be further used in knitting.



New knitted and 3D structures with these specially coated yarns that can be polyester or glass fibers based, designing totally new textile solutions for various applications.