

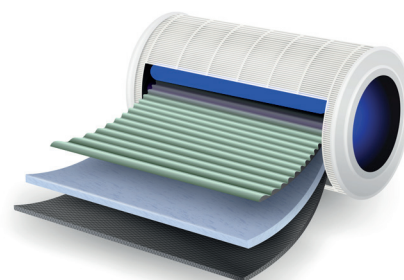
Filtration

Performance products for high-tech liquid and gas filtration

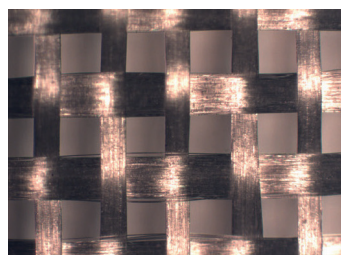
Taconic PTFE coated products are used as a component for use in filter elements as the 'catching media'. These are commonly used for the high-tech filtration of liquids and gasses. Substances such as water, steam, yoghurt, beer, wines and even blood plasma are filtered using Filter elements with PTFE coated media inside. The medias possible to be PTFE coated by Taconic include woven and non-woven fibreglass, woven Nomex and woven stainless steel.

Why Fluoropolymer Coatings?

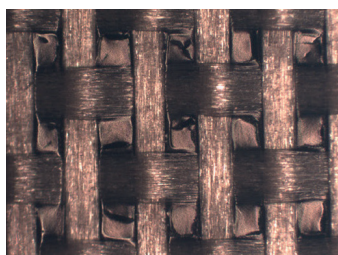
- Durable
- Low Friction
- Nonstick Smooth Surface
- UV Resistant
- Chemical & Temp. Resistant
- Stable Under Heat & Pressure
- Non-Flammable/UL 94 V-0
- Low Migration



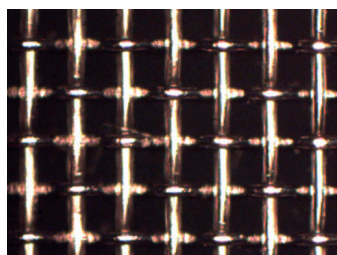
Multi coating passes allows for control of filter characteristics like porosity



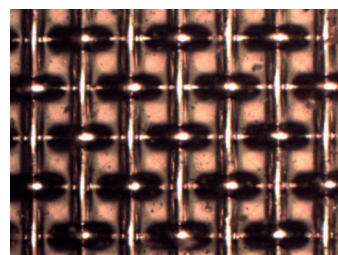
Uncoated Fabric



Coated Fabric



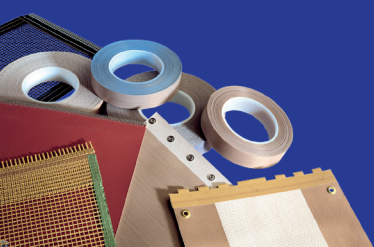
Uncoated Metal Fabric



Coated Metal Fabric

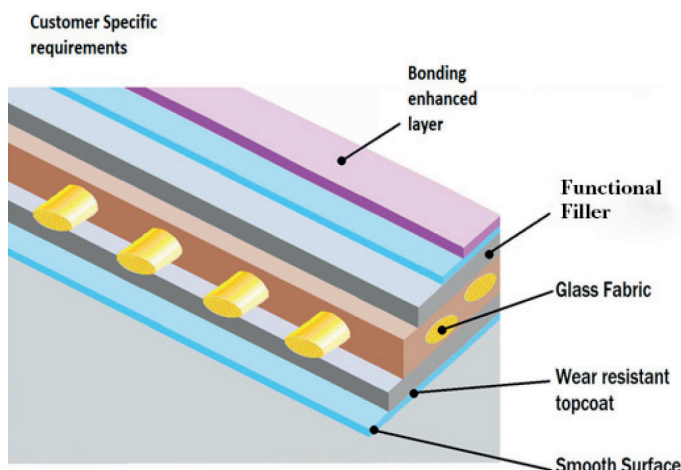
Fluoropolymers PTFE, PEEK, PFA,
Functional Fillers Micas, Carbon, Fluorescent, Colours
Silicone Flexibility
Combinations of all the above.
Raw fabric E glass standard but Stainless steel an option





Capabilities: *Functional Layers*

- Coating Processes Allow for Functional Layers
- Multi-pass process
- Multi-layered coating, allows for functionality to be applied per pass
- Bi-facial coating, each surface can be different
- Single sided coating
- Coating surfaces can be made bondable/printable
- Colors can be applied to each surface
- Hybrid coatings, different polymers per side.
- Materials can be made with a controlled porosity
- 4+M wide coating widths
- Materials can be made to improve heat seal ability



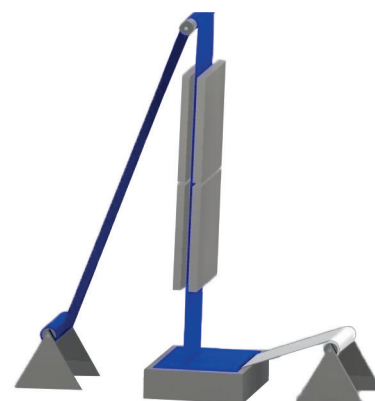
Capabilities: *Coating Process*

Coatings

- PTFE
- Other fluoropolymer- PFA, FEP
- Silicone Rubber
- Adhesives - Silicone/Acrylic/Other
- Other water-based polymers
- Other solvent-based polymers

Substrates

- Fiberglass Fabrics
- Different glass weave patterns
- Open Mesh
- Films
 - Cast films
 - Coated surfaces applied to films
- Non-woven
- High Performance Material
 - Kevlar
 - Aerospace fabrics - i.e. carbon fiber
 - Other exotic materials & hybrids



Our European Sales Team is ready to serve your needs. Simply visit our website
www.taconic-ipd.com for more information



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