Micropore microporous membranes are composed of ultra-high molecular weight polyethylene (UHMWPE) and manufactured by a patented process. UHMWPE gives Micropore® outstanding mechanical strength and chemical inertness. Possessing a unique filtration structure consisting of a micro and nano fibrillar multilayer network. Micropore provides exceptionally high filtration efficiency. Micropore’s versatility enables it to be designed into a wide range of filter configurations and applications.

Attributes:
- Porosity: membranes are highly porous
- Unique structure: micro and internal nano fibril multilayer network provides exceptional particulate collection efficiency
- Inert: UHMWPE gives Micropore® its outstanding resistance to most chemicals
- High purity: the membrane and its support cloth have a very low extractable content
- Durable: Micropore®’s exceptional mechanical strength makes it ideal for filtermedia that last long

Properties of Micropore Filtermedia
- Base weight: 500 g/m²
- Thickness: 1.1 mm
- Pore size: 0.01 – 0.2 μm
- Porosity: > 75%
- Operating temperature: max. 50°C
- Tensile strength: L 160 N/5cm X 160 N/5cm
- Appearance: white
- Support cloth can either be Polyester or Polypropylene, laminated with a polymer adhesive that is classified as non-dangerous.

Field of applications:
- Pharmaceutical
- Bio technology
- Oil & lubricants
- Ink & pigment
- Petrochemical refining
- Pulp & paper
- Plating
- Ultrapure water
- Chemicals
- Automotive

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Micropore filter media is widely used on various filtration equipment:
- Filter presses
- Disc filters
- Belt filters
- Centrifuges