



Ref. No.

Date:

Polymeric Hollow Fiber Membranes

Description: Hollow fiber membranes are like tiny straw-shaped filters, typically with a diameter of microns to millimeters. They're made from polymers, which are essentially long chain molecules, and offer some unique features and functionalities. They are widely used in a variety of applications, including water filtration, wastewater treatment, food and beverage processing, and pharmaceuticals.

Features:

High surface area: The hollow fiber design creates a large surface area packed into a small module. This allows for efficient filtration or separation of fluids.

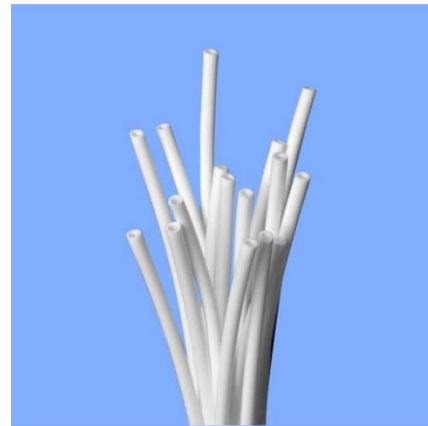
High packing density: Unlike flat sheet membranes, hollow fibers can be tightly packed together in modules, maximizing the filtration capacity within a given space.

Good mechanical strength: The hollow fiber structure provides good mechanical strength, allowing them to withstand pressure during operation.

Tailorable properties: By varying the polymer type, pore size, and membrane structure, engineers can design hollow fibers for specific applications.

Overall, hollow fiber membranes are a valuable tool in separation processes due to their high efficiency, compact design, and tailorable properties. The choice of polymer and membrane structure allows them to be adapted for various applications in filtration, purification, and separation.

Available Polymeric Membranes: PES, PVDF, PSf, PAI, PAN, Cellulose Acetate, Cellulose Triacetate, PTFE, Nanocomposite Membranes



Hollow Fiber Polymeric Membrane



Udyam No:MH-23-0214318
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Note*: Customized dimensions based Nanocomposite Membranes available

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