

3M™ MICROLON™ 50 Series Flat Sheet Membrane

Model: 50

Product Type: Flat Sheet Filtration Membrane

Description: 3M MICROLON Flat Sheet Membranes are made from a solution of Polyamide 6 (PA6). The membrane material is inherently hydrophilic. The asymmetrical structure of the 3M MICROLON Flat Sheet Membrane is designed for high particle retention while still exhibiting good water permeability. Due to the different characteristics of the membrane surfaces (air and roll side) the membrane can be used in applications based on the principle of depth filtration or cake formation filtration.

Available Make-up Configurations: Rolls

Performance

Parameter	Value
Bubble point (in isopropyl alcohol, 23°C)	≥ 3.0 bar (43.5 psi)
Transmembrane flow (water, 23° C)	≥ 5 ml/(min cm ² bar) (≥ 320 ml / (min ft ² psi)) (≥ 2.22 ml/(min in ² psi))

Materials of Construction

Hydrophilic Polyamide

Physical Properties

Parameter	Value
Thickness	160 ± 25 µm (6.3 ± 1 mil)

All data is based on internal 3M testing procedures.

Intended Use
<p>3M™ MICROLON™ flat sheet membranes are made from polyamide 6. These are flat sheet microfiltration membrane products intended for use by customers, such as OEMs, in the manufacture of liquid microfiltration cartridges and liquid microfiltration systems for various applications, such as microelectronic semiconductors, in accordance with the product's use requirements and instructions.</p> <p>Since there are many factors that can affect a product's use, the customer and user remain responsible for determining whether the 3M product is suitable and appropriate for the user's specific application, including user conducting an appropriate risk assessment and evaluating the 3M product in user's application for safety, regulatory compliance, performance and any other requirements.</p>
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