

3M™ MacroPES™ Flat Membrane Type 20

Chemical Composition

Polymer	Polyethersulfone
Wetting property	Hydrophilic

Physical Properties

Thickness	110 ± 10.0 µm (4.33 ± 0.39 mil)
Tensile strength	
Longitudinal	≥ 1000 cN/15 mm
Transversal	≥ 700 cN/15 mm
Elongation at break	
Longitudinal	≥ 20%
Transversal	≥ 30%
Change of length (steam, 121 °C)	≤ 3 %

Membrane Performance Characteristics

Bubble point (in water)	≥ 0.20 bar (≥ 2.9 psi)
Transmembrane flow (water, 25 °C)	≥ 1500 ml/(min cm ² bar) (≥ 96082 ml/(min ft ² psi)) (≥ 667 ml/(min in ² psi))

Available Make-up Configurations

Rolls

All specifications are based on 3M internal test procedures.

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