



## CERAMIC MEMBRANE OVERVIEW

Lowest permeability ← → Highest permeability

	Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	ZrO <sub>2</sub>	SiC
Hydrophilicity	+	++	++++	+++++
Permeability	++	++	+++	+++++
Fouling potential	+++++	++++	++	+
Chemical resistance	+++	+++	++++	+++++
Mechanical strenght	++++	++++	+++++	+++++

*Bilal. Et al. Ceramic membrane technology for water and wastewater treatment: A critical review of performance, full-scale applications, membrane fouling and prospects. Chemical engineering Journal. 2021.*

Lowest + Highest +++++

### CLASSIFICATION

Item number:	
Membrane type	Submerged Flat Sheet
Operation mode	Outside-In filtration
Pore size	0,250 µm
Permeability (clean water @ 20°C)	>3.000 LMH/bar

### MATERIAL

Membrane	SiC (Silicon carbide) ceramic
End-cap material	PPS 40% Glass fill
O-ring material	EPDM (Viton or NBR on demand)
Potting material	PU

### DIMENSIONS

Membrane surface area	0,164 m <sup>2</sup>
Length	575 mm
Width	145/154 mm
Thickness	<b>6/11 mm</b>
Weight	0,9 kg

