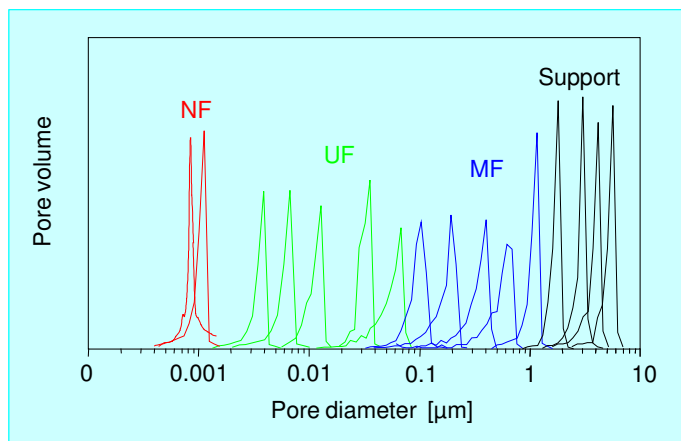
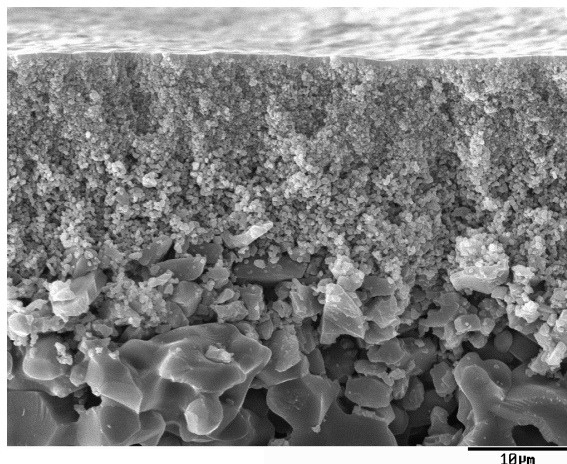


Keramische Membranen für die Mikro-, Ultra- und Nanofiltration Ceramic membranes for micro-, ultra- and nanofiltration



Porenverteilungen (Hg- Porosimetrie bzw. N₂- Sorption).
Pore size distribution (Hg-porosimetry or N₂-sorption resp.).



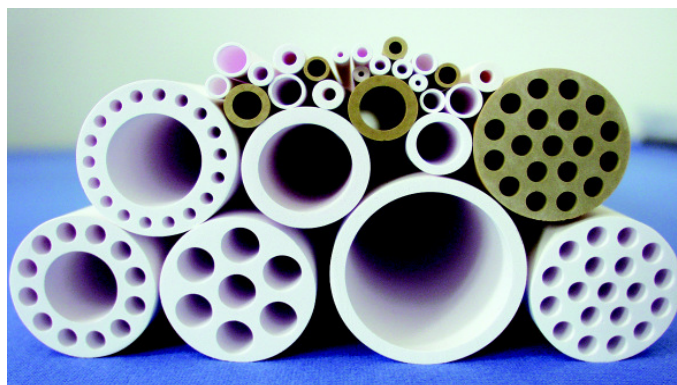
Bruch einer TiO₂-UF-Membran (REM).
Fracture of a TiO₂-UF-membrane (SEM).

Technical parameters

	Material	Mean pore size	Cut-off	Open porosity	Dimension
Microfiltration inopor[®] micro	α -Al ₂ O ₃	1000 nm		40 % - 55 %	Monochannel and multichannel tubes with a length up to 1200 mm
		800 nm			
		600 nm			
		400 nm			
		200 nm			
		100 nm			
70 nm					
TiO ₂	800 nm				
	250 nm				
	100 nm				
ZrO ₂	110 nm				
Ultrafiltration inopor[®] ultra	γ -Al ₂ O ₃	10 nm	7500 D	30 % - 55 %	
		5 nm			
		30 nm	8500 D		
TiO ₂	5 nm				
ZrO ₂	3 nm	2000 D			
Nanofiltration inopor[®] nano	SiO ₂	1.0 nm	600 D	30 % - 40 %	
		1.0 nm	750 D		
		0.9 nm	450 D		

Competences

- Support- und Membranherstellung
Production of ceramic supports and membranes
- Membran- und Modullieferungen
Supply of membrane elements and housing
- Membran-, Verfahrens- und Anlagenauslegung
Engineering of membrane processes and plants
- Membraneignungstests
Applied membrane screening tests
- Technikums- und Feldversuche von der Mikrofiltration bis zur Umkehrosmose
Pilot and field tests from microfiltration down to reverse osmosis
- Dienstleistungen und Service
Product service



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Information No.

Membranes 01/06