

Crystar FT250 41-61-3

Crystar® Filtration Technology

Technical Datasheet



Crystar® FT are highly permeable and pure silicon carbide crossflow membranes for liquid filtration. They are certified for food contact according to the European regulation 1935-2004 and deemed acceptable for food and beverage contact by the FDA. Crystar® FT membranes are characterized by high chemical and thermal stabilities, superior thermomechanical and abrasion resistances and an excellent trade-off between retention efficiency and permeate flux.

Crystar® FT250 41-61-3 offers fine and consistent retention thanks to a 250 nm membrane and a robust carrier geometry with high filtration area. The 3 mm channels are well adapted to several applications with moderately loaded liquids.

Examples of application:

- Food and beverage processing
- Oil removal from produced water or oily wastewater
- Bacteria and particulate removal from industrial wastewater
- Chemical/solvent recovery

Technical Data		41-61-3 FT250	
External diameter	mm	41.5	
Standard length ¹	mm	1200	
Channel hydraulic diameter	mm	3.2	
Filtration area	m ² - ft ²	0.8 – 8.6	Length 1200 mm
Open frontal area ²	%	37	
Cross-flow velocity recommended	m/s - ft/s	1 to 4 - 3 to 13	
Longitudinal pressure drop at 2 m/s	bar - psi	0.5 – 7.0	
Transmembrane pressure recommended	bar - psi	up to 2 - 29	
Weight	kg - lbs	1.7 – 3.8	Length 1200 mm
Chemical composition	-	SiC >99%	
Membrane pore size ³	µm	0.25	
Flux with clean water, 20°C / 68°F, 1 bar	LMH - GFD	5000 - 2940	
pH range	pH	0 – 14	
Temperature range	°C - °F	up to 300 - 842	

1. Other lengths possible upon request and up to the limit of 1200 mm.
2. Feed flow rate of 1.8 m³/h for inlet cross-flow velocity of 1 m/s.
3. Average pore size as measured by mercury intrusion.

Saint-Gobain IndustrieKeramik Rödental GmbH

Oeslauer Straße 35, 96472 Rödental • Germany
P: +49 (0) 9563 724 0 • Fax: +49 (0) 9563 724 356 • crystarft@saint-gobain.com

www.crystarfiltration.saint-gobain.com

