

Filter Data Sheet

High Purity – General Grade Teflon®

Teflon Membrane for Liquid and Air Applications

General Grade Teflon Cartridges are designed for general purpose use wherever a cost effective Teflon membrane filter is required. Typical applications include filtration of aggressive fluids, vent filtration, air and gas filtration. These cartridges are found in the manufacturing processes of pharmaceutical companies, semi-conductor manufacturers and bulk chemical companies. Priced below special purpose cartridges, general grade cartridges are still manufactured with the same careful attention to quality and performance.

Flow Rate

The following table represents typical water flow at one psi (69 mbar) pressure differential across a single 10 inch cartridge element. The test fluid is water at ambient temperature. Extrapolation for housings with multiple elements and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent.

Pore Size	GPM
0.1 µm	1.25
0.2 µm	2.8
0.45 µm	5.7
1.0 µm	9.0
3.0 µm	11.4



Construction Materials

Filtration Media Teflon®
Support Media Polypropylene
End Caps Polypropylene
Center Core Polypropylene
Outer Support Cage Polypropylene
O-rings/Gaskets Buna, Viton, EPDM, Silicone, Teflon® Encapsulated Viton

Sanitization/Sterilization

Autoclave.....127°C, 30 min, multiple cycles
In-line Steam.....135°C, 30 min, multiple cycles
Chemical Sanitization - Industry standard concentrations of hydrogen peroxide, paracetic acid, sodium hypochlorite and other selected chemicals.

Dimensions

Length:
10 to 40 inches (25.4 to 101.6 cm) nominal
Outside Diameter:
2.75 inches (7.0 cm) nominal

Maximum Differential Pressures

Forward 50 psi (3.4 bar) at 20°C
Reverse 40 psi (2.7 bar) at 20°C

FDA listed materials

Manufactured from materials which are listed for food contact applications in title 21 of the U.S. Code of Federal Regulations.

Toxicity

All polypropylene components meet the specifications for biological safety per USP Class VI - 121°C for plastics.

Ordering Information

GGPTFE	(Pore Size)	A	(Length)	C	(End Cap Code)	O-Rings/Gaskets
	0.1		10 (25.4 cm)		2 = DOE - Flat Gasket	B = Buna
	0.2		20 (50.8 cm)		3 = 222 w/ Fin	E = EPDM
	0.45		30 (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone
	1.0		40 (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton
	3.0				7 = 226 w/ Fin	T = Teflon Encapsulated Viton