



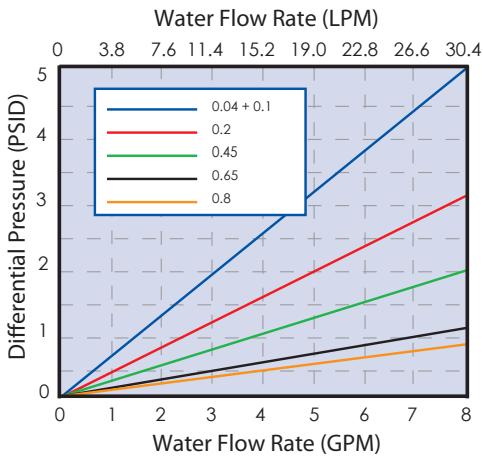
Filter Data Sheet

High Purity – Electronics Grade PES

Hydrophilic Polyethersulfone (PES) Membrane for Electronics Applications

Electronics Grade PES Cartridges are designed to meet the special needs of the electronics and high purity chemical industries. Polyethersulfone membrane cartridges are resistant to most acids and bases; capable of handling strong sanitization agents. High flow rates make polyethersulfone a good choice for Ultra-Pure water systems. Each cartridge is flushed with 18 megohm high purity water to minimize extractable. Each cartridge is also individually integrity tested.

Flow Rate



Typical Applications

Ultra-Pure Water Systems
Fine Chemical Filtration
Electronics - Photoresist



Construction Materials

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

Dimensions

Length:

10 to 40 inches (25.4 to 101.6 cm) nominal

Outside Diameter:

2.70 inches (7.0 cm) nominal

Maximum Recommended Operating Conditions

Temperature.....176°F (80°C)

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

GEPES	Pore Size	A	Length	C	End Cap Code	O-Rings/Gaskets	-	Adders
	0.04		10 (25.4 cm)		2 = DOE Flat Gasket	B = Buna		I = Stainless Steel Insert
	0.1		20 (50.8 cm)		3 = 222 w/ Fin	E = EPDM		
	0.2		30 (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		
	0.45		40 (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton		
	0.65				7 = 226 w/ Fin	T = Teflon® Encapsulated Viton		
	0.8				16 = 213 Internal O-Ring			

3725 Interpark Drive • Colorado Springs, CO 80907

Phone: 719-260-5694 • Fax: 719-260-5944 • www.optimumfilter.com