

## Filter Data Sheet

### High Purity - Electronics Grade Nylon 6,6 and Plus+ Nylon 6,6 Hydrophilic Nylon 6,6 for Electronics Applications

**Electronics Grade Nylon 6,6 Cartridges** are naturally hydrophilic requiring no surface treatments that can leach into your process. The Electronics Grade Cartridge is available in both our standard and Plus+ grades. The Plus+ grade membrane is modified with a high positive charge for removal of endotoxins and small negatively charged contaminants. All Electronics Grade Cartridges are flushed with 18 megohm high purity water to minimize extractables. Each cartridge is also individually integrity tested.



#### 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 housing 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	1.2
0.2 µm	2.4
0.45 µm	4.0
0.65 µm	6.0
0.8 µm	6.5
1.0 µm	7.0

#### Ordering Information

GEHNY	Pore Size	A	Length	C	End Cap Code	O-Rings/Gaskets	Adders
GEHNY +	0.1		10 (25.4 cm)		2 = DOE - Flat Gasket	B = Buna	I = Stainless Steel Insert
	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	
	0.65		40 (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton	
	0.80				7 = 226 w/ Fin	T = Teflon Encapsulated Viton	
	1.0				16 = 213 Internal O-Ring		

#### Construction Materials

**Membrane** .....Nylon 6,6  
**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

**Filtered Hot Water** ..... 80°C for 30 Minutes  
**Steam Sterilization**..... 121°C for 30 min, multiple cycles

**Chemicals:** Cartridges are chemically compatible with most chemicals and sanitizing agents

**Note:** Stainless insert option needed for all cartridges being hot water sanitized or steam sterilized.

#### 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.