



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 designed to meet the special needs of the electronics and high purity chemical industries. GEHNY cartridges are available in both standard and Plus+ grades. The Plus+ grade membrane is modified with a highly positive charge; allowing for the removal of particles that are significantly smaller than the membrane's rating. Each cartridge is flushed to 18 MΩ with UPW and 100% integrity tested to deliver ultra-clean effluent as well as ultra-low extractables. The Extended Area option (GEHNYX) offers up to 40% more surface area. This additional area results in significant increases in flowrate and loading-capacity in the same footprint.



Flow Rate vs Pressure Drop

Rating (μ)	DI Water Flow per 1 PSID (gpm/10" (25.4cm) equivalent)
0.03	0.75 (2.9 lpm)
0.05	0.8 (3.0 lpm)
0.1	1.2 (4.5 lpm)
0.2	2.4 (9.1 lpm)
0.45	4.0 (15.1 lpm)
0.65	6.0 (22.7 lpm)
0.8	6.5 (24.6 lpm)
1.2	7.0 (26.5 lpm)

* Data represents GEHNY. For GEHNYX option, multiply given flowrate by 1.4.

Typical Applications

- Drinking Water
- Wine
- Soft Drinks
- Pharmaceutical
- Fermentation

Ordering Information

GEHNY	Rating (μ)	A	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
GEHNY+	0.03		10" (25.4 cm)		2 = DOE Flat Gasket	B = Buna		I = Stainless Steel Insert
GEHNYX	0.05		20" (50.8 cm)		3 = 222 w/ Fin	E = EPDM		CS = 316ss Compression Spring
GEHNY+X	0.1		30" (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		
	0.2		40" (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton®		
	0.45				7 = 226 w/ Fin	T = Teflon® Encapsulated Viton®		
	0.65				16 = 213 Internal O-Ring	Z = Teflon® Encapsulated Silicone		
	0.8							
	1.2							

Construction Materials

MembraneNylon 6,6
Support MediaPolypropylene
End CapsPolypropylene
Center CorePolypropylene
Outer Support Cage.....Polypropylene
O-Rings/GasketsBuna, EPDM, Silicone, Viton®, Teflon® Encapsulated Viton®

Sanitization/Sterilization

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

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

Note: Stainless steel 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: 2.70 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.

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.