

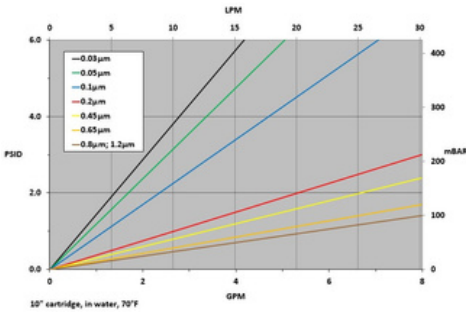
GEHNY-Series Electronics Grade Nylon and Plus+ Nylon

GEHNY-Series High Purity Electronics Grade Nylon and Plus+ Nylon Filter Cartridges, featuring nylon 6,6 membrane, provides superior particulate retention and cleanliness for production of ultrapure water critical to the micro-electronics industry. The optional positive zeta potential surface charge (Plus+) enhances retention performance for particulate smaller than the stated micron rating.

Cartridges are manufactured in a clean room environment and undergo extended flushing with 18 megaohm ultra-high purity water to achieve extraordinarily low levels of extractable substances and provide quick rinse-up. Each element is integrity tested to assure optimal performance.



Flow Rate vs Pressure Drop



Typical Applications

- UHP DI Water
- Ultrafine Chemicals
- Ion Exchange Resin Trap
- Point-of-Use Filters

Construction Materials

MembraneNylon 6,6
Support MediaPolypropylene
End CapsPolypropylene
Center CorePolypropylene
Outer Support CagesPolypropylene
O-Rings/GasketsBuna, EPDM, Silicone
 Clear Silicone, Teflon® Encapsulated Viton®¹, Viton®,
 Teflon® Encapsulated Silicone²

Dimension (Nominal)

Length10 to 40 in (25.4 to 101.6 cm)
Outside Diameter2.7 in (7.06 cm)

Operating Conditions

Change Out ΔP (recommended)35 PSID (2.4 bar)
Temperature (max)176 °F (80 °C)
Differential Pressure (max)50 PSID at 68 °F
 (3.4 bar at 20 °C)

Sanitization/Sterilization

Filtered Hot Water176 °F (80 °C) for 30 min

Steaming Sterilization250 °F (121 °C) for 30 min
 multiple cycles

Chemicals: Cartridges are compatible with most chemical sanitizing agents.

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

Toxicity

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

Food Safety Compliance

Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 1935/2004, and/or 10/2011.

Ordering Information

GEHNY	Rating(μ)	A	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
GEHNY+	0.03		10" (25.4cm)		2 = DOE Flat Gasket ^{1,2}	B = Buna-N		CS = 316SS Compression Spring
	0.05		20" (50.8 cm)		3 = 222 w/Fin	C = Clear Silicone		I = Stainless Steel Insert
	0.1		30" (76.2 cm)		4 = 222 w/Flat Cap	E = EPDM		
	0.2		40" (101.6 cm)		6 = 226 w/Flat Cap	S = Silicone		
	0.45				7 = 226 w/Fin	T = Teflon® Encapsulated Viton® ¹		
	0.65				16 = 213 Internal O-Ring	V = Viton®		
	0.8				28 = 222 3-Tabs w/ Fin	Z = Teflon® Encapsulated Silicone ²		
	1.20							

¹ - When ordering with DOE Flat Gasket, gasket style "T" is not available
² - When ordering with DOE Flat Gasket, gasket style "Z" is not available

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. For additional technical support, a product Performance Guide is available upon request.