

Filter Data Sheet

High Purity - Food and Beverage Grade Nylon 6,6 and Plus+ Nylon 6,6 Hydrophilic Nylon 6,6 for the Food and Beverage Industry

Food and Beverage Grade Nylon 6,6 Cartridges

are naturally hydrophilic requiring no surface treatments that can leach into your process. The Food and Beverage Grade Cartridge is designed to comply with all FDA requirements for food contact. 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 Food and Beverage Grade Cartridges are flushed with DI 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 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	1.2
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

GFHNY	Pore Size	A	Length	C	End Cap Code	O-Rings/Gaskets	Adders
	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	
	0.8				7 = 226 w/ Fin	T = Teflon Encapsulated Viton	
	1.0				16 = 213 Internal O-Ring		

Construction Materials

MembraneNylon 6,6
Support MediaPolypropylene
End CapsPolypropylene
Center CorePolypropylene
Outer Support CagePolypropylene
O-Rings/Gaskets..Buna, Viton, EPDM, Silicone, Teflon® Encapsulated Viton

Sanitization/Sterilization

Filtered Hot Water80°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

Forward50 psi (3.4 bar) at 20°C
Reverse40 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.