Eaton® Synflex® Flavor Shield™ Products

Eaton's Synflex Flavor Shield hose and tubing are the most versatile PET beverage dispensing products in the industry.

The industry leading beverage dispensing hose and tube from Eaton, Taste Rite™, just got better with the introduction of Flavor Shield. Flavor Shield hose and tubing products feature a modified PET barrier bonded to a special polyolefin alloy which provides maximum flexibility and ease of installation. This modified PET contact layer offers a mirror smooth, non-porous contact surface which enables maximum flushability and minimizes microbial growth. It also provides flavor integrity and significantly reduces the potential for pungent flavor migration and external contamination. In addition, this barrier construction provides optimal resistance to carbon dioxide, nitrogen, oxygen, and mixed gas permeations. These new engineering developments make Flavor Shield the most versatile PET beverage dispensing product in the industry.

Features and Benefits

- Superior surface contact smoothness
- Optimal resistance to carbon dioxide, nitrogen, oxygen, and mixed gas permeation
- Minimal potential for flavor migration
- Greatly enhanced hose to fitting interface
- Minimized microbial growth potential
- Can be thermoformed to increase routing efficiency and reduce fitting use
- Breakthrough polymer chemistry significantly reduces delamination concerns

Test Qualifications and Temperature

- NSF-51
- NSF-61
- Temperature Range: 10°F to 150°F (-23°C to 65°C)
- Major soft drink manufacturer approved
- RoHS compliant components
- Available for shipment from the Eaton Aurora, OH facility for resistant tubing

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Flavor Shield 37FS PET Barrier Hose

Hose Part Number	Nominal I.D.		Nominal O.D.		Min.Bend Radius		Max. Working Pressure @ 72°F		Weight Per 100 ft		Standard Length		Clamp Size
	in	mm	in	mm	in	mm	psi	bar	lbs	kg	ft	m	mm
37FS-31003	.265	6.7	.420	10.7	1.3	33.0	250	17.2	3.6	1.63	300	91.44	11.3
37FS-31004	.265	6.7	.420	10.7	1.3	33.0	250	17.2	3.6	1.63	500	152.40	11.3
37FS-41003	.380	9.7	.535	13.6	2.3	58.4	200	13.8	4.6	2.10	300	91.44	14.5
37FS-41004	.380	9.7	.535	13.6	2.3	58.4	200	13.8	4.6	2.10	500	152.40	14.5
37FS-61003	.510	13.0	.675	17.1	3.3	84.0	175	12.1	6.2	2.81	300	91.44	18.5

Flavor Shield 42FS PET Barrier Tubing

Tube Part Number	Nominal I.D.		Nominal O.D.		Min.Bend Radius		Max. Working Pressure @ 72°F		Weight Per 100 ft		Standard Length		Clamp Size
	in	mm	in	mm	in	mm	psi	bar	lbs	kg	ft	m	mm
42FS-06004	.265	6.7	.375	9.5	1.5	38.1	100	6.9	2.3	1.04	500	152.40	10.5
42FS-08004	.380	9.7	.500	12.7	2.0	50.8	95	6.6	3.6	1.63	500	152.40	14.0
42FS-10004	.510	13.0	.625	15.9	3.0	76.2	75	5.2	4.5	2.04	500	152.40	17.0

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