



Synflex Diesel Fuel Tubing 4294 Series and 4297 Series

Product Details



Applications

- Transportation — Trucks, Busses and Off-Highway Vehicles
- Construction Machinery and Equipment
- Agriculture Machinery and Equipment
- Marine, Boats and Yachts
- Diesel Engines and Parts

Synflex® Diesel Fuel Tubing Construction

High-Flex 4297 Series - Synflex composite fuel tubing is a flexible, thermoplastic elastomer product with a nylon line core tube. It is a non-reinforced, seamless tube, designed and tested for use with push-in-style fittings and rated for use with diesel fuel in a temperature range of -50°F (-45°C) to +250°F (122°C).

Low-Flex 4294 Series - Synflex composite fuel tubing is a non-reinforced, seamless, multi-layered product, with a nylon cover and nylon line core tube. It is designed and tested for use with non-crimp, barbed fittings and rated for use with diesel fuel in a temperature range of -40°F (-40°C) to +200°F (93°C).

Features / Benefits




- **Specifically Designed for Diesel Fuel Applications** - Resists chemical attacks seen in a diesel fuel environment. With two series available you can select the best solution for your system and assembly requirements.
- **Multiple Colors** - Color-coded flow lines allow for easy identification for error-free assembly and repair.
- **Barbed Fittings** Barbed inserts with o-ring sealing end connections provide a leak-free system. No retaining clips, crimping or swaging is required. Seals on the inside of the tube, eliminating the need for outside surface preparation.
- **Thermoformable** Both series can be installed as individual lines or the tubing can be thermo-formed to provide a consistent, trouble-free assembly process.






Synflex Diesel Fuel Tubing

Product Specifications

Low-Flex




# PART NUMBER	SIZE					NOMINAL WALL THICKNESS			
		NOMINAL O.D.		NOMINAL I.D.				WEIGHT	
		mm	in	mm	in	mm	in	100m	100 ft
4294	-06	9.91	.390	6.35	.250	1.78	.070	0.91	3.0
4294	-07	11.12	.440	7.62	.300	1.78	.070	1.04	3.4
4294	-08	13.33	.525	9.53	.375	1.90	.075	1.37	4.5
4294	-10	17.15	.675	12.10	.476	2.54	.100	2.23	7.3

High-Flex




# PART NUMBER	SIZE					NOMINAL WALL THICKNESS			
		NOMINAL O.D.		NOMINAL I.D.				WEIGHT	
		mm	in	mm	in	mm	in	100m	100 ft
4297	-06	9.91	.390	6.35	.250	1.78	.070	0.91	3.1
4297	-07	11.12	.440	7.62	.300	1.78	.070	1.04	3.5
4297	-08	13.33	.525	9.53	.375	1.90	.075	1.37	4.9
4297	-10	17.15	.675	12.10	.476	2.54	.100	2.23	7.4

Product Performance

Low-Flex

# PART NUMBER	SIZE			VACUUM RATING					MAXIMUM OPERATING TEMPERATURE
		bar	psi		bar	psi	mm	in	
4294	-06	34.48	500	10 in Hg	5.17	75	28.70	1.13	-40°C (-40°F) to 93°C (200°F)
4294	-07	34.48	500	10 in Hg	5.17	75	31.75	1.25	-40°C (-40°F) to 93°C (200°F)
4294	-08	34.48	500	10 in Hg	5.17	75	76.30	3.00	-40°C (-40°F) to 93°C (200°F)
4294	-10	34.48	500	10 in Hg	5.17	75	88.90	3.50	-40°C (-40°F) to 93°C (200°F)

High-Flex

# PART NUMBER	SIZE			VACUUM RATING					MAXIMUM OPERATING TEMPERATURE
		bar	psi		bar	psi	mm	in	
4297	-06	34.48	500	10 in Hg	3.45	50	28.70	1.13	-40°C (-40°F) to 121°C (250°F)
4297	-07	34.48	500	10 in Hg	3.45	50	44.45	1.75	-40°C (-40°F) to 121°C (250°F)
4297	-08	34.48	500	10 in Hg	3.45	50	63.50	2.50	-40°C (-40°F) to 121°C (250°F)
4297	-10	34.48	500	10 in Hg	3.45	50	76.20	3.00	-40°C (-40°F) to 121°C (250°F)

Standard Compliance • SAE J844, J1131, J1394 • ASTM D471, D624, D638, D648, D709, D746, D742, D2240

Fluid Compatibility - Performance tested using ASTM Fuels B and F, ASTM #3 oil and brake fluids.

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