



SUPER-FLEX® FL Barrier Fuel Line Hose

Series 397



Series 397 is a fuel line/vapor emission hose for refined fuels such as biodiesel (to B100 in dedicated and non-dedicated service), diesel, ethanol and gasoline. The hose incorporates a thermoplastic barrier to resist permeation and the cover is resistant to abrasion, oil and weathering. The hose is flexible for easy routing in and around small engines and small engine compartments. Series 397 surpasses all of the California Air Resource Board (CARB)/Small Off-Road Engine (SORE) and Environmental Protection Agency (EPA) stringent permeation requirements of 15g/m²/day, and provides SAE J30R7/30R14T2 performance.

NOTES: • Refer to the Refined Fuel/Hose Compatibility Table in the Media Compatibility section.

• Do not use in marine fuel applications. Refer to Series 7165.

Tube: Black nitrile and translucent thermoplastic barrier
Reinforcement: One textile braid or multiple textile plies
Cover: Black CPE, smooth finish
Temp. Range: -30°F to +257°F (-34°C to +125°C)
Brand Method: White ink
Brand Example: PARKER SERIES 397 (P/N) SUPER-FLEX® FL (ID) LOW PERMEATION FUEL LINE CARB (x)PKHPLINE397 EPA COMPLIANT EPA COMPLIANT 15 g/m²/day C-U-06-010 MAX WP 100 PSI

NOTE: (x) changes every year

Design Factor: 5:1

Industry Standards: CARB 2006 SORE, EPA, SAE J30R7/J30R14T2 (Performance)

Applications:

- Low pressure fuel lines on blowers, grinders, mowers, off-road engines, pressure washers, saws
- Biodiesel (to B100 in dedicated and non-dedicated service), diesel, ethanol, gasoline
- Agricultural equipment, autos, buses, construction equipment, off-road equipment

Vacuum: 3/16" ID through 3/8" ID @ 24" Hg (609 mm Hg); 1/2" ID through 3/4" ID @ 10" Hg (254 mm Hg)

Compare to: Avon Greenbar, Mark IV PermaSeal

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource. Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

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Part Number	ID (in)	ID (mm)	Reinf Layers	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/m)	Min Bend Rad (in)	Min Bend Rad (mm)	Max WP (psi)	Max WP (bar)	Nom Std Pack Qty (ft)	Pkg Type
39703	3/16	4.7	1	0.4	11.1	0.06	0.09	1	33	100	7	250	Reel
39704	1/4	6.4	1	0.5	12.7	0.09	0.13	2	38	100	7	250	Reel
39705	5/16	7.9	1	0.6	14.2	0.11	0.16	2	51	100	7	250	Reel
39706	3/8	9.5	1	0.7	16.7	0.12	0.18	3	64	100	7	250	Reel
39708	1/2	12.7	1	0.8	21.0	0.18	0.27	4	102	100	7	250	Reel
39710	5/8	15.9	2	0.9	23.9	0.23	0.34	5	127	35	2	250	Reel
39712	3/4	19.1	2	1.1	28.6	0.33	0.49	6	152	35	2	250	Reel

WARNING: This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.