

CADbar®

# 9000 SERIES

## High-Performance Fuel Hose For LEVII/PZEV

### CADbar 9500 Series CADbar 9600 Series CADbar 9700 Series



#### Meet and Exceed All Existing Standards For

- LEV II/PZEV Emissions Performance
- Durability
- Crashworthiness

#### Deliver Cost-Saving Assembly Advantages

- Pre-positioned, Overmolded Clamps
- Molded-in Entrance Chamfers
- Seamless, Wrinkle-Free Construction
- Knit, spiral or braided reinforcement is available for all three series

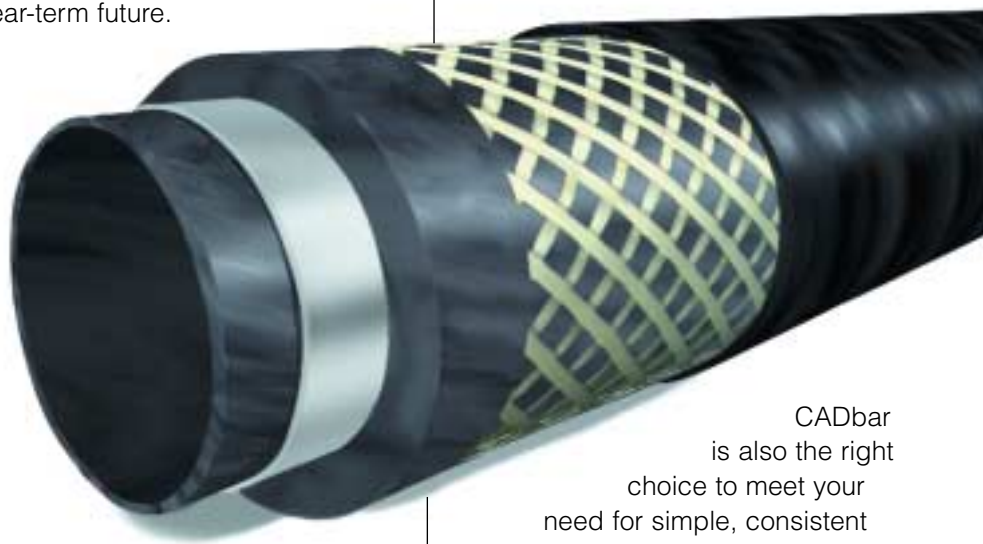
#### Provide A Worry-Free Solution

- Avon Leads The Industry In Hose Innovations
- In-House Testing Assures Quality And Performance
- Service And Support Available Anytime, Anywhere

**AVON**  
**AUTOMOTIVE**

CADbar 9000 series fuel hose is the latest in a long series of Avon technology developments designed to advance the emissions performance, safety, and installability of fuel system hoses. Co-extruded from up to five different materials, and available in three basic versions, CADbar 9000 series hoses have been developed and tested to meet the most demanding Federal and California requirements now in place, and proposed for the near-term future.

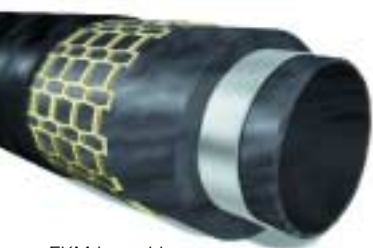
While these tests are not required by government entities, the wealth of information generated by Avon's extensive test program is your best assurance that CADbar 9000 hoses will meet and exceed your emission and safety requirements well into the foreseeable future. CADbar is the right choice to meet both regulatory mandates and real-world customer satisfaction requirements for your entire vehicle fleet.



In addition to government-mandated whole-vehicle and component certification tests, Avon has subjected CADbar 9000 hose samples and assemblies to a range of test procedures designed to simulate real-world conditions. These include specialized isothermal and diurnal SHED, mini-, and micro-SHED regimens; Pressure / Vibration / Temperature (PVT) tests; simulated crash tests, and actual vehicle crash tests.

CADbar is also the right choice to meet your need for simple, consistent installation. The Avon-patented overmolded captive clamp (#5002094) and the chamfered end design greatly simplify assembly line installation of CADbar hoses.

Take a good look at the performance and installation advantages of CADbar 9000 Series fuel hoses, and you will see why CADbar 9000 is the right choice for you.



FKM Inner Liner  
THV Barrier Layer  
\*CSM or ECO Cover

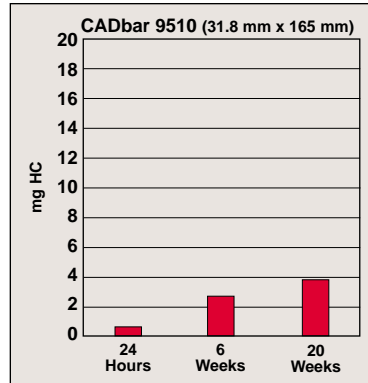
### CADbar 9500 Series

Best all-around balance of sealing and permeation performance.

Leakage equivalent to Cadbar 9700 series.

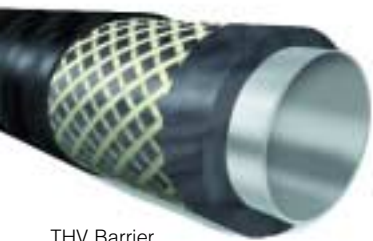
Permeation equivalent to Cadbar 9600 series.

Proven elastomers for 15-year/150,000 mile durability requirement.



### Assumptions

- Tested for permeation and leakage
- CARB 24 hr diurnal cycle
- BE10 fuel
- Machined end forms without an O-ring seal
- SHED tested after 24 hours, 6 week, and 20 week soaks



THV Barrier  
\*CSM Cover

### CADbar 9600 Series

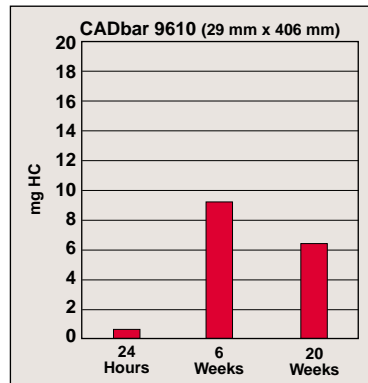
LEV II

Plastic interior for maximum fuel resistance.

Inner material can be conductive.

Self-extinguishing Hypalon cover has good weathering and ozone resistance.

Acceptable sealing with machined end forms.



- Tested for permeation and leakage
- CARB 24 hr diurnal cycle
- BE10 fuel
- Machined end forms without an O-ring seal
- SHED tested after 24 hours, 6 week, and 20 week soaks



NBR Inner Liner  
THV 800 Barrier  
\*CSM Cover

### CADbar 9700 Series

LEV II

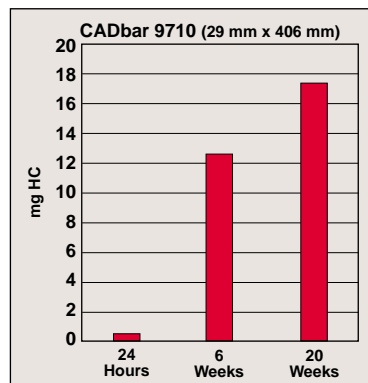
Conductive nitrile rubber inner material.

Provides improved sealing.

Most flexible of the 9000 Series hoses.

Self-extinguishing Hypalon cover has good weathering and ozone resistance.

Cost-effective solution where overall system permeation is low.



- Tested for permeation, leakage, and wicking
- CARB 24 hr diurnal cycle
- BE10 fuel
- Machined end forms without an O-ring seal
- SHED tested after 24 hours, 6 week, and 20 week soaks

\*CSM/ECO or AEM covers available, depending on the environment in which the hose will be used.



Contact Avon Automotive for complete technical information on CADbar 9000 Series hoses.

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