

CADbar® 9000 SERIES

High Performance Fuel Hoses for Low Emission & Bio-Fuel Applications

CADbar 9200 Series
CADbar 9700 Series
CADbar 9500 Series



Meet and Exceed Standards For:

- LEVII / LEVIII / PZEV
- Bio-Fuels
- Durability
- Crashworthiness

Deliver Cost Saving Assembly Advantages:

- Pre-positioned, Overmolded Clamps
- Molded In Entrance Chamfers
- Seamless, Wrinkle-free Construction
- Knit or Spiral Reinforcement

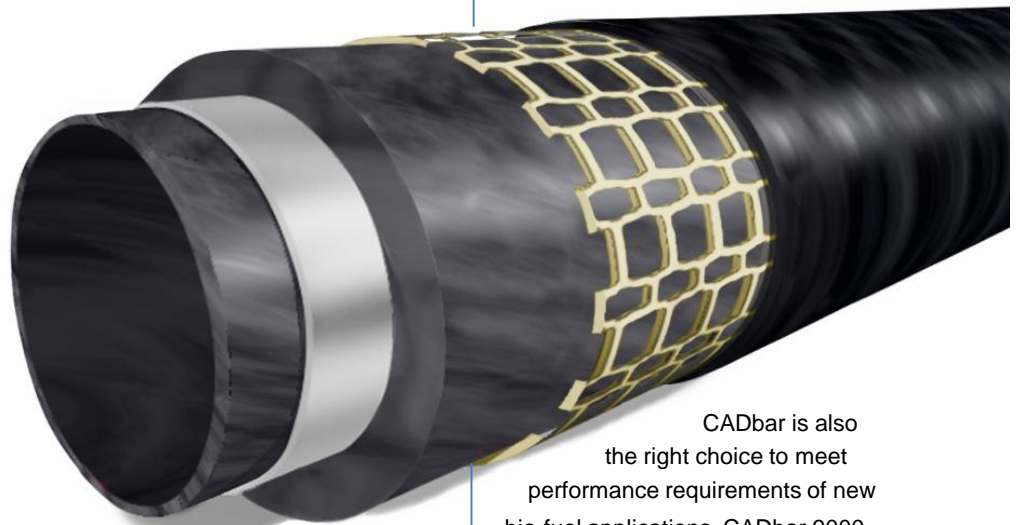
Provide A Worry-Free Solution

- 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 a market leading fuel hose designed to advance emissions and bio-fuels performance. 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 programs is your best assurance that CADbar 9000 hoses will meet and exceed your emission, performance, and safety requirements well into the foreseeable future. CADbar is the right choice to meet both regulatory mandates and real-world customer requirements for your entire vehicle fleet.



In addition to government-mandated vehicle and component certification tests, Avon Automotive 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 regimens; Pressure / Vibration / Temperature (PVT) tests; simulated and actual vehicle crash tests.

CADbar is also the right choice to meet performance requirements of new bio-fuel applications. CADbar 9000 hoses offer highly engineered and unique material options that are resistant to new bio-fuels being introduced into the global market. Avon Automotive also offers patented assembly features that greatly simplify installation of CADbar hoses. Take a good look at the performance and installation advantages of CADbar 9000 Series fuel hoses, and you'll see that CADbar 9000 is the right choice for you!

CADbar® 9000 SERIES



Hose Construction

- Inside Layer
- Barrier Layer
- Intermediate Layer
- Reinforcement (Optional)
- Outside Layer

Bio-Diesel Resistance

Flex Fuel Resistance

Suitable for LEV II Emissions

Suitable for PZEV & LEV III Emissions

Conductive Inner Layer

Flame Resistant Cover

Connection Sealability

Low Temperature Flexibility

| | CADbar 9200 Series | CADbar 9500 Series | CADbar 9700 Series |
|---------------------------------------|---------------------|---------------------|---------------------|
| | | | |
| Inside Layer | THV 500 | FKM | NBR |
| Barrier Layer | | THV 815 | THV815 |
| Intermediate Layer | NBR or ECO | NBR | NBR |
| Reinforcement (Optional) | Polyester or Kevlar | Polyester or Kevlar | Polyester or Kevlar |
| Outside Layer | CM or ECO | CM | CM |
| Bio-Diesel Resistance | ● | ● | ○ |
| Flex Fuel Resistance | ● | ● | ◐ |
| Suitable for LEV II Emissions | ● | ● | ● |
| Suitable for PZEV & LEV III Emissions | ◐ | ● | ◐ |
| Conductive Inner Layer | ● | ● | ● |
| Flame Resistant Cover | ● | ● | ● |
| Connection Sealability | ◐ | ● | ● |
| Low Temperature Flexibility | ● | ◐ | ● |

● Best Option ◐ Not Recommended ○

Avon Automotive offers a patented over-molded clamp (US Patent #5002094) for use with its hose products. The hose clamp is permanently fixed in the correct radial and linear location on the hose to greatly ease assembly during final installation without the use of adhesives, which can prove unreliable. This solution has made securing the hose clamp a simple, one-hand operation; a key advantage for operators working in tight spaces.



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

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THV is a trademark of Dyneon, a 3M company.