

ELEVATE CVJ BOOTS 8 BELLOWS PERFORMANCE

ARNITEL® – THE SMART CHOICE FOR HIGH– PERFORMANCE CVJ BOOTS, BELLOWS AND HOSES

In the development of demanding automotive applications, manufacturers face key challenges:

- Selecting durable materials that withstand extreme heat, oils, grease, and corrosion.
- Optimizing manufacturing efficiency while keeping costs under control.
- Designing components that minimize contact and reduce wear.
- Meeting strict industry standards for hydrolysis and abrasion resistance.

That's why leading automotive manufacturers trust Arnitel®.

Arnitel® blends the strength of engineering plastics with the flexibility of rubber, delivering unmatched durability, heat resistance, and performance. Its superior resistance to hydrolysis and abrasion ensures a longer service life while exceeding the industry's toughest compliance standards.

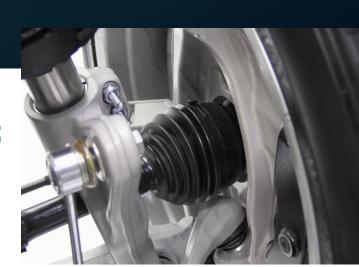
Boost reliability. Enhance performance. Choose Arnitel®.



IMPROVING DIAPHRAGM PERFORMANCE

Diaphragm performance – the boot's ability to flex and expand under varying conditions while protecting the joint – is a common issue for CVJ boots. This requires a material that is flexible and elastic so it can stretch and compress without cracking as the joint moves.

Envalior developed an injection moldable grade to address this need. Contact us for more information.





ARNITEL® EXCEEDS TODAY'S MATERIAL CHALLENGES

- Improved Flexibility Arnitel® maintains its elasticity over a wide range of temperatures.
- Abrasion Resistance Arnitel® is highly resistant to wear and tear, which is critical for protecting components in harsh operating conditions.
- Grack Resistance Arnitel® resists cracking and splitting, even under repeated stress or extreme movement.
- Thermal Stability Arnitel® retains its physical properties over prolonged exposure to heat.
- **Chemical Resistance** Arnitel® is resistant to oils, grease and corrosion.

- Weight Reduction Arnitel® is lighter than traditional rubber, contributing to overall vehicle weight reduction and improved fuel efficiency.
- Customizable Properties Arnitel® can be engineered to meet specific performance requirements, such as stiffness, hardness, or color.
- Thin-Wall Capability Arnitel® allows for thin-wall designs without sacrificing strength, enabling compact and efficient component designs.
- Recyclability Unlike traditional thermoset rubbers, Arnitel® can be melted and reprocessed, reducing waste and promoting sustainability.

Grade	CVJ Outboard	CVJ Inboard	Prop Shaft	Steering Bellow	Suspension Bellow
EB463	\checkmark	\checkmark			
EB464	$\sqrt{}$	\checkmark		\checkmark	\checkmark
EB464-01‡	√+	\checkmark			
PB420	√+	\checkmark		\checkmark	\checkmark
PB420-B‡	√++	\checkmark			
EB501		Adapt design	$\sqrt{}$		\checkmark
PB582-H			\checkmark		
PL420-H		Adaptor ring			

‡ Improved anti-squeak

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