

Boots and Bellows

Automotive / Body / Structural Parts

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Benefits

- Reliable flexibility under dynamic motion and temperature extremes
- High resistance to heat, oils, grease, and road chemicals
- Exceptional abrasion and crack resistance even under stress
- Lightweight alternative to rubber, enabling overall vehicle weight reduction
- Thin-wall design capability without compromising strength
- Lower NVH (Noise, Vibration, Harshness) for a smoother ride
- Fully recyclable thermoplastic solution with customizable properties



Details

Arnitel® is a high-performance thermoplastic copolyester (TPC) offering the elasticity of rubber with the toughness of engineering plastics. It's ideal for CVJ boots, bellows, air ducts, hoses, and suspension components. Designed to handle extreme operating conditions, Arnitel® resists oils, grease, high temperatures, and repeated mechanical stress. Compared to CR, NBR, and silicone rubbers, it provides longer service life, improved design flexibility, and recyclability. With grades engineered for dry-run anti-squeak, diaphragm injection molding, and thin-wall applications, Arnitel® delivers value, performance, and sustainability.

Products

Arnitel® EB463
TPC-ET

Arnitel® PL420-H
TPC-ET

Arnitel® PB420-B
TPC-ET

Arnitel® PB582-H
TPC-ET

Arnitel® EB464-01
TPC-ET

Arnitel® EB464
TPC-ET

Arnitel® EB501
TPC-ET

Arnitel® PB420
TPC-ET

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