

What is Arnitel?

Arnitel is a family of high-performance thermoplastic elastomers (TPE) that offers a unique combination of flexibility, high temperature resistance, strength and processing characteristics. Arnitel is increasingly being used as a lighter, smarter, greener alternative to conventional rubbers – reducing environmental impact and, ultimately, system costs.

Why go against the norm and build a non-pneumatic TPE tire as opposed to the traditional tire? Because it saves time, money and stress.

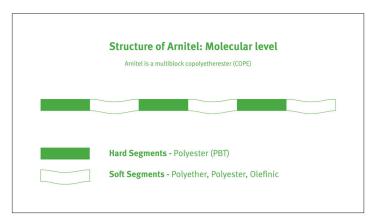
Arnitel Non-Pneumatic Tire Benefits:

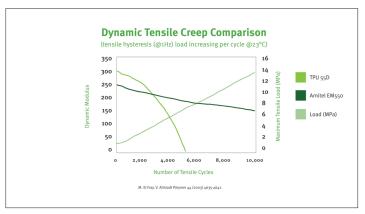
- Airless design eliminating down time and labor for flat tire service calls
- Extended service life: 2-3x longer than traditional pneumatic tires
- Dynamic absorption of energy during impact makes for a smoother ride
- Tunable contact patch design minimizes turf damage
- Hard tread surface with soft response of the overall tire – resulting in improved wear performance without jeopardizing ride quality

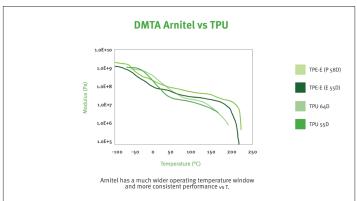
Benefits of Arnitel:

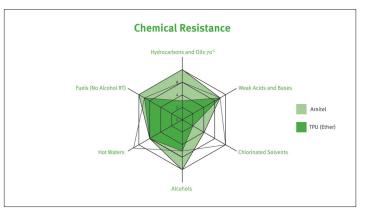
- Excellent flexural fatigue endurance
- · High load bearing capability
- Creep resistance
- High peak temperature resistance
- Excellent overmolding adhesion (ABS/PBT/PC)
- High tear and abrasion resistance
- Good resistance to chemicals and weathering
- High impact strength
- Very low temperature ductility (<-40°C)
- Wide operating temperature
- Stable modulus vs. temperature
- Nice soft, tactile feel













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