



COMBINING EXCELLENT FLOW WITH GOOD MECHANICAL STRENGTH

Envalior's Arnite® portfolio includes high-performance polyester compounds (PET, PBT and blends) that combine high strength and rigidity with excellent processing characteristics, ideal for a broad range of applications. Production locations are available in Europe, the US, India, and China.

ARNITE® A (PET) AND ARNITE® T (PBT) ARE WELL SUITED FOR A BROAD RANGE OF AUTOMOTIVE, ELECTRICAL, ELECTRONIC, AND CONSUMER GOODS APPLICATIONS. A WIDE PORTFOLIO OF ARNITE® IS AVAILABLE, INCLUDING UNREINFORCED, REINFORCED, AND FLAME-RETARDANT GRADES.

CHARACTERISTICS

Arnite® characteristics and properties include:

- Excellent dimensional stability
- High strength and stiffness at ambient conditions
- Hydrolysis resistant

Mobility

Akulon® is a thermoplastic with high-heat resistance and high-speed Arnite offers good dimensional stability and ESD performance and allows for lightweight solutions, in comparison to metal. Arnite® PBT is ideal for automotive connectors due to its high temperature resistance, high mechanical property levels, and good electrical insulation properties.

Applications include:

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| • Actuator covers | • High-voltage connectors |
| • Automotive lighting systems (headlights, LEDs, foglamps, bezels and AFL frames) | • High-temperature connectors |
| • E-Boxes | • PBT connectors |
| • Wire-to-wire connectors | • Radar sensor housings |
| • Wire-to-board connectors | • Reflow connectors |
| | • Vacuum brake boosters |
| | • Rearview mirrors |



Consumer Goods

LEDs are setting designers free to create concepts that consume less energy than conventional light sources. Arnite® is a material solution for reflective LED applications that can handle both high-temperature applications and long-term resistance to heat and radiation.

Applications include:

- Reading lamps
- TV screens
- Street lighting



Healthcare

Envalior's Arnite® PBT provides a proven solution for precision inhaler valve components due to its dimensional stability, easy processing, low extractables, and low moisture absorption. This helps maintain performance to control dose accuracy.



[Learn more at nexeoplastics.com/envalior/arnite](https://nexeoplastics.com/envalior/arnite) or contact us to request a free sample.

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