

GENESTAR™ PA9T: discover new possibilities with the proprietary high heat-resistant polyamide that boosts performance and sustainability

For high-performance, safe and reliable parts for the future of mobility



Unlock the possibilities in...

- EV high voltage connectors
- Fuel cell and coolant parts
- Gears
- SMT (reflow) electronics

GENESTAR™ PA9T is a series of proprietary polyamide resins developed from unique monomers. They are ideally suited to the specific conditions of automotive manufacturing and use.

With driverless vehicles, electrification and inter-car connectivity shaping today's automotive development, designers have more demands than ever. Production efficiency and safety remain top priorities alongside performance, design optimization, greater comfort, fuel efficiency and environmental responsibility. GENESTAR™ PA9T play a critical role in modern automotive manufacturing.

Automotive components for the most demanding conditions

Developed specifically for injection molding and extrusion, this advanced resin has the lowest water absorption rate among its peers and great moldability. Consequently, the unique properties of GENESTAR™ PA9T are invaluable in the production of reliable automotive parts, while also supporting lightweighting strategies and enabling cost savings. As automotive electrification grows exponentially, countless new opportunities and possibilities await manufacturers through the use of GENESTAR™ PA9T.

GENESTAR™ PA9T offers:

- Improved performance due to high tracking index
- Superior performance in hot, humid and chemical corrosive conditions
- Dimensional stability and low NVH thanks to low water absorption
- Blister resistant grades for SMT (reflow) process compatibility

An exciting future awaits

Let's create it together

Driving a more sustainable future for automotive manufacturing

At Kuraray, sustainability is at our heart, and GENESTAR™ PA9T holds the key to an eco-friendlier future for the automotive industry.

- GENESTAR™ PA9T portfolio includes halogen-free flame retardants and organic heat stabilizers
- Scrap resin from our compounding processes can be reused in combination with virgin resin as regrind. For every kiloton of regrind, an estimated 3.5-6.0 kilotons of CO₂ production is avoided.

It doesn't stop there. Ongoing initiatives to further reduce the carbon footprint of GENESTAR™ PA9T include:

- Process optimization to save energy
- Use of green energy sources and recycled and bio-based feedstocks

GENESTAR™ cuts 60-80 mg CO₂ per kilometer for every kilogram of steel it replaces

Discover new possibilities with GENESTAR™ PA9T

We are a leading manufacturer of high-performance polyamide resins that meet the most stringent industry standards.

At Kuraray, we draw on decades of expertise to tailor each solution to your unique needs. We use our comprehensive range of resources and service offerings to turn your next ambitious product idea into reality.

Learn more about how we can co-create the future of the automotive industry together.

Contact us today!

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