Engineered Compounds for Electrical Raceways

Get The Critical Mechanical Properties Your Products Demand

From solar panel installations to data center electrification, today's modern wire management infrastructures demand materials engineered to perform long into the future. At Aurora Material Solutions, our flexible PVC, rigid PVC and engineered thermoplastic compounds deliver a proven balance of durability, safety, regulatory compliance and reliability. As part of the Aurora Material Solutions family of products, these compounds are also backed by our manufacturing and technical support teams to keep your production moving – and give you a competitive advantage.

Fully UL Compliant & Tested for Electrical Safety

With over 25 years of experience compounding in the electrical market, we understand that regulations require testing and certifications that often leave little margin for modification. Our compounds are certified across several UL standards, and our certification allows us to make micro adjustments to meet your application needs – without risking compliance:

- **UL 5 / UL 5A** – Nonmetallic surface raceways
- **UL 651** – Rigid PVC conduit (Schedule 40 & 80)
- **UL 94** – Flammability classifications (HB to V-0)

Our quality control standards mean multiple checks from batch to batch to assure our materials deliver the properties we promise, including high dielectric strength, self-extinguishing flame-retardancy, and high and low temperature performance.

Hide & Protect With Confidence

Our compounds are engineered to withstand environmental and mechanical stressors for safe and reliable performance. **The result is benefits you can market to end users:**

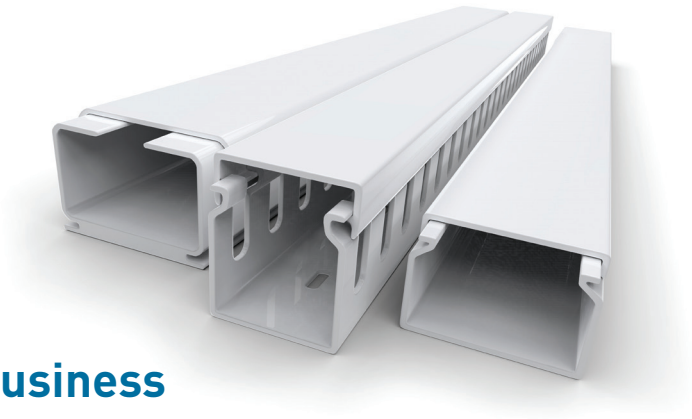
- **Flexible PVC (FPVC)**
  - Excellent flexibility for easy routing
  - Excellent vibration and fatigue resistance
  - Provides electrical insulation and flame performance
- **Rigid PVC (RPVC)**
  - Strong balance of impact resistance and stiffness to prevent raceways from sagging over the long spans often needed for wire management.
  - Low-temperature performance means exceptional shatter-resistance even in cold outdoor applications.
- **Engineered Thermoplastics (ETP)**
  - Higher-performance options for demanding environments
  - Enhanced impact, stiffness or heat resistance depending on formulation
  - Suitable for premium or differentiated raceway designs

AURORA Material Solutions

For more information on products and services from Aurora Material Solutions, call us today at **330.422.0700** or visit us at **www.auroramaterialsolutions.com.**

Nonmetallic electrical raceway systems are the future of infrastructure design. Aurora Material Solutions offers performance benefits for:

- Residential systems
- Commercial properties
- Industrial complexes
- Renewable energy/solar
- Municipal power grids



Solutions For Your Products & Your Business

When you work with Aurora Material Solutions, you get a partner that helps you maximize your product's performance and your production. We're here to help you get business done:

Consistent, Reliable Supply. We are set up for fast, on-time sourcing and high-capacity production. Aurora Material Solutions has polymer compounding facilities strategically located across the U.S., assuring responsiveness as well as trusted quality.

Engineering Collaboration. Our internal technical teams collaborate with you at every stage of product development and production. Sampling and testing are also integral to our process. We'll consider cost saving options that maintain the performance parameters you need.

Broad Material Portfolio. Our compounds are designed specifically for electrical raceway and E&E infrastructure. Our range of options are available in powder or pellet form from a single, trusted supplier.

GRADE NAME	FLAME RETARDANT	DESCRIPTION
AuroraTec™ AP4020B	Yes	A high flow (50 melt) RPVC pellet compound designed for injection molding. Flame rating: 5VA @ 3.0 mm, V0 @ 1.5 mm
AuroraTec™ AP4006AA	Yes	A high flow (20 melt) RPVC pellet compound designed for injection molding. Flame rating: 5VA @ 3.0 mm, V0 @ 1.5 mm
AuroraTec™ AP2257	No	A high rate, high impact PVC powder, extrusion compound, for interior applications as well as substrates
AuroraTec™ AP5120A	Yes	A general purpose RPVC pellet, extrusion, good melt strength, excellent color dispersion, and physical properties. V0 @ 1.5 mm
AuroraGuard™ AP2501BNT1000	Yes	A higher temperature PVC powder extrusion compound for interior applications. HB flame rating

FPO

Click or scan for more information on Aurora Material Solutions for raceway applications.

Final UL compliance and application suitability are dependent on finished part design, wall thickness, processing conditions, and end-use environment. OEMs are responsible for validating final product performance and UL listing requirements.

Our plants' quality management systems are certified to ISO 9001:2015.

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rev 02/2026