



# AURORA GUARD™

## CPVC Compounds

### Bring the benefits of CPVC to more applications.

You know and trust AuroraGuard™ for its high-heat, low-smoke, zero-halogen and flame-retardant properties. Now we're bringing the performance of CPVC to the AuroraGuard™ line for even better flame retardancy, low shrinkage at higher temperatures, lower smoke density – and more.

### With AuroraGuard™ CPVC you get:

- › Co-extrusion capability that delivers a cost-effective alternative to metals
- › The ability to protect against the effects of the sun's infrared light exposure better than any other compound on the market
- › Impact resistance and other properties that meet VSI requirements
- › Proven resistance to oil canning, fish mouting and sagging
- › Improved flame and smoke properties

### Imagine what you can do.

AuroraGuard™ CPVC compounds are ideal in applications that require low smoke, high heat performance. As a result, it is ideal for a variety of building and construction applications that require high temperature and/or flame performance and smoke ratings such as siding, windows, fence, electrical, custom extrusion and custom injection molding. The performance of AuroraGuard™ CPVC in these applications can't be beat.



**AURORA** Material  
Solutions™

**AURORA  
GUARD™**

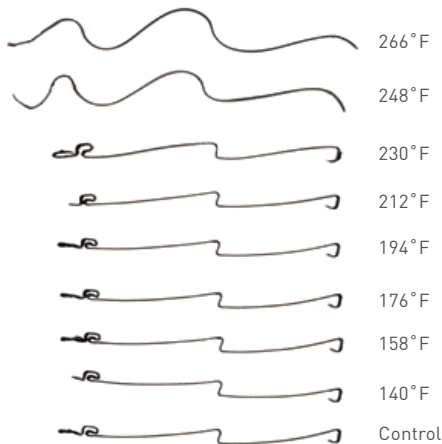
For more information on products and services from Aurora Material Solutions, call us today at **330.422.0700** or visit us at [www.auroramaterialsolutions.com](http://www.auroramaterialsolutions.com).

Dark colors? Weather exposure? No problem.

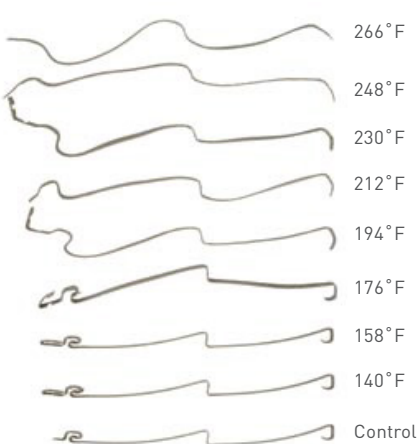
Whether your application includes dark siding colors or other exterior features, AuroraGuard CPVC compounds are designed not to warp, even under the elevated temperatures caused by the sun’s infrared light. CPVC is proven to deliver incredible dimensional stability up to 212°F (100°C) – creating extreme protection against the sun’s infrared light, season after season, even in high altitude applications. Plus, AuroraGuard™ CPVC can be coextruded with AuroraShield™ capstock for enhanced UV and water-whitening resistance. Our experts will work with you to create the right formulation, considering all factors that meet your specific application needs.

Dimensional Stability at Elevated Temperatures

Horizontal siding made with AuroraGuard™ CPVC



Horizontal siding made with PVC



Grade	S.G.	HDT, °C	LOI	Flame Spread (FSI)	Smoke Developed (SDI)	Izod Impact, lb-f/in, 23 °C	Tensile Strength (psi)	Tensile Modulus (psi)	Common Applications
AP2480 Powder	1.52	106	60	15	290	5.4	6,500	326,000	Custom extruded substrates, windows, siding
AP5199 Pellet	1.52	106	60	15	290	5.4	6,500	326,000	Custom extrusion
AP4042 Pellet	1.46	102	60	N/A	N/A	2.4	8,000	430,000	Custom Injection molding articles, pool and spa components



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



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](http://www.auroramaterialsolutions.com)**.