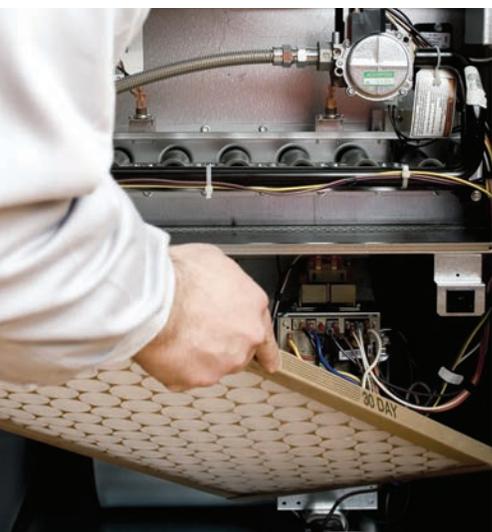




PEOPLE. PARTNERS. POSSIBILITIES.

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

# Proven Durability for HVAC Parts & Components





# HVAC equipment goes through extreme temperature swings, heavy moisture exposure, and tough operating conditions

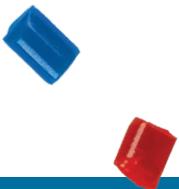
– and when one part fails, it can take down the entire system. That's why durability and reliability are non-negotiable for HVAC OEMs and their part providers.

**At Aurora Material Solutions,** our compounds deliver the strength and versatility needed across a range of HVAC components and applications, including flame-retardant and UL-approved options that meet stringent standards.

## **Customizable while still meeting UL regulations**

Need a compound that makes a protective housing tougher, lighter or more heat-resistant? Need to make your fan components more weather-resistant? We can make it happen. With over 25 years of experience compounding, we understand that regulations require testing and certifications that often leave little margin for modification. Our compounds are certified within a range for UL 94 V-0 and other flame resistance standards, meaning we can make micro adjustments to match your application needs or equipment parameters – without requiring additional certification. You can quickly get exactly what you need to maximize performance.

**When you need every component in your HVAC system to perform, get materials that are up to the challenge. Partner with Aurora Material Solutions, and get exactly what you need.**





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Our products are designed for numerous applications, including:

**AIR MOVEMENT AND DISTRIBUTION**

PAGE 4

**CONDENSATE AND MOISTURE MANAGEMENT**

PAGE 5

**ENCLOSURES AND PROTECTIVE HOUSINGS**

PAGE 6



# Air Movement and Distribution

Keep air moving with materials engineered for safety and long-term performance. Aurora Material Solutions compounds deliver a host of benefits, including thermal stability, UV-resistance and flame-resistance. They're also customizable, allowing you to color match and fine tune the hardness, weight or mouldability for your needs.



## APPLICATIONS

- › Fans
- › Ducts
- › Louvers
- › Vents
- › Transition boxes
- › Fan housings

GRADE	MATERIAL	UL94 FLAME RATING (MM)	746C	RTI (C)	YELLOW CARD COLOR	
AuroraTec™ AP4020B	Rigid PVC	V0 (1.5)	5VA (3.0)	N/A	50	All
AuroraTec™ AP4006AA	Rigid PVC	V0 (0.76)	5VA (3.0)	N/A	50	All
AuroraTec™ 399	PC/PBT FR 15% Glass Filled	V0 (1.5)	5VA (2.5)	N/A	75	All
AuroraGuard™ GEP F5PC10GF	Recycle Grade Black 10% Glass Filled PC FR	V0 (1.5)	5VA (2.5)	N/A	80	Black
AuroraGuard™ F530GFU-BK	Recycle grade 30% Glass Filled FR PP	V0 (1.5)	5VA (3.0)	N/A	65	Black
AuroraGuard™ F5PC/PBT10GF	10% Glass Filled PC/PBT FR	V0 (1.5)	5VA (3.0)	N/A	75	Black
AuroraGuard™ 40GFUV	40% Glass Filled CoPP FR	HB (1.5)	N/A	F1	65	Black
AuroraGuard™ ENV00	ABS	HB (1.5)	HB (0.4)	N/A	60	N/A
AuroraGuard™ ABS20GF	20% Glass Filled ABS	HB (1.5)	HB (0.4)	N/A	60	N/A
AuroraFlex™ RX13082 Natural	Flexible PVC	N/A	N/A	N/A	N/A	N/A
AuroraFlex™ GA-3188AHP	Flexible PVC	V0 (1.6)	N/A	N/A	N/A	All
AuroraGuard™ 152	PC/ABS FR	V0 (1.5)	5VA (3.0)	N/A	60	All
AuroraTec™ 393	PC/PBT FR	V0 (1.0)	5VA (3.0)	F1	75	All
AuroraGuard™ 122	PC FR	V0 (1.5)	5VA (3.0)	F1	125	All
AuroraGuard™ F0PBT20GF	20% Glass Filled PBT FR	V0 (1.5)	5VA (3.0)	N/A	75	Black
AuroraFlex™ GA-1042 LF	Flexible PVC FR	V0 (3.0)	N/A	N/A	50	BK NC



# Condensate and Moisture Management



Moisture-management in HVAC systems is constantly testing the limits of material solutions – and our compounds are up to the challenge. Whether you're dealing with high-temp condensate or acidic condensate that's a byproduct of today's high efficiency appliances, our rigid PVC and engineered thermoplastic compounds offer excellent chemical resistance, corrosion resistance, dimensional stability, and moldability for forming durable drainage components.



## APPLICATIONS

- > Base pans
- > Condensate pans
- > Drain pans

GRADE	MATERIAL	UL94 FLAME RATING (MM)	746C	RTI (C)	YELLOW CARD COLOR	
AuroraGuard™ F530GFU-BK	Recycle grade 30% Glass Filled FR PP	V0 (1.5)	5VA (3.0)	N/A	65	Black
AuroraGuard™ GEP F5PC10GF	Recycle Grade Black 10% Glass Filled PC FR	V0 (1.5)	5VA (2.5)	N/A	80	Black
AuroraGuard™ F5PC/PBT10GF	10% Glass Filled PC/PBT FR	V0 (1.5)	5VA (3.0)	N/A	75	Black
AuroraGuard™ 40GFUV	40% Glass Filled CoPP FR	HB (1.5)	N/A	F1	65	Black
AuroraTec™ 399	15% Glass Filled PBT FR	V0 (1.5)	5VA (2.5)	N/A	75	All
AuroraGuard™ F0PBT20GF	20% Glass Filled PBT FR	V0 (1.5)	5VA (3.0)	N/A	75	Black
AuroraTec™ AP4020B	Rigid PVC	V0 (1.5)	5VA (3.0)	N/A	50	All
AuroraTec™ AP4006AA	Rigid PVC	V0 (0.76)	5VA (3.0)	N/A	50	All
AuroraGuard™ SAN 30GF	30% Glass Filled SAN	HB (1.5)	N/A	N/A	60	N/A
AuroraGuard™ SAN-PBT 20GF-NA	20% Glass Filled SAN PBT	HB (1.5)	N/A	N/A	60	N/A





# Enclosures and Protective Housings



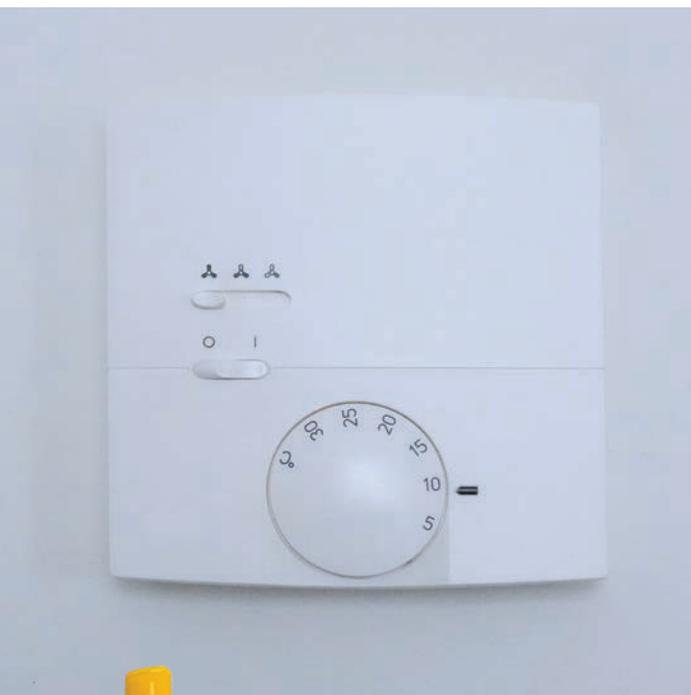
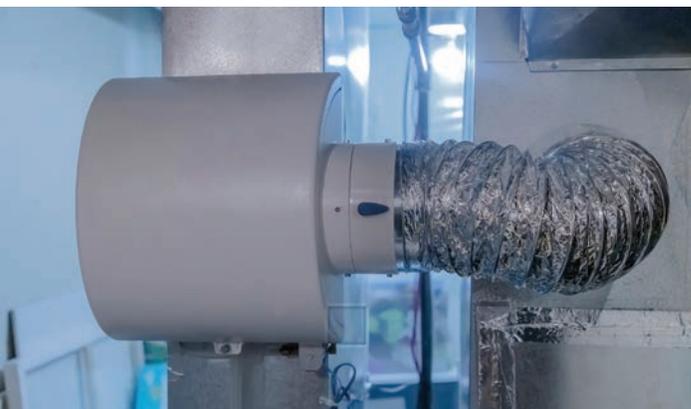
Whether you're manufacturing commercial equipment that operates 24/7 on a roof or residential systems installed indoors or outdoors, durability is critical for HVAC housings and enclosures. Our material lineup offers flame-retardancy, impact resistance, corrosion resistance, thermal stability, and weather durability to help you design for safety and long-term reliability in any environment.

## APPLICATIONS

- › Blower housings
- › Chiller covers
- › Filter boxes
- › Ventilator housings
- › Condensor base
- › Condensor top cap
- › Electric board covers
- › Condensate traps
- › Collector box
- › Transition box
- › Elbows and fittings

GRADE	MATERIAL	UL94 FLAME RATING (MM)	746C	RTI (C)	YELLOW CARD COLOR	
AuroraTec™ AP4020B	Rigid PVC	V0 (1.5)	5VA (3.0)	N/A	50	All
AuroraTec™ AP4006AA	Rigid PVC	V0 (0.76)	5VA (3.0)	N/A	50	All
AuroraTec™ AP5120A	Rigid PVC	V0 (0.4)	V0 (1.5)	N/A	50	All
AuroraGuard™ GEP F5PC10GF	Recycle Grade Black 10% Glass Filled PC FR	V0 (1.5)	5VA (2.5)	N/A	80	Black
AuroraGuard™ F5PC/PBT10GF	10% Glass Filled PC/PBT FR	V0 (1.5)	5VA (3.0)	N/A	75	Black
AuroraGuard™ 170-(a)	PEI FR	V0 (1.5)	5VA (3.0)	N/A	105	All
AuroraShield™ ENV31	ASA	HB (1.5)	N/A	N/A	60	N/A
AuroraGuard™ 152	PC/ABS FR	V0 (1.5)	5VA (3.0)	N/A	60	All
AuroraTec™ 393	PC/PBT FR	V0 (1.0)	5VA (3.0)	F1	75	All
AuroraGuard™ GTPO 5000-SN4	TPO	V0 (3.0)	N/A	N/A	90	All
AuroraFlex™ GA-1042 LF	Flexible PVC FR	V0 (3.0)	N/A	N/A	50	BK NC
AuroraGuard™ 2506UR	PC/ASA FR	HB (1.5)	HB40 (3.0)	F1	50	Black
AuroraGuard™ AP5199BBK1031	Rigid CPVC	V0 (1.0)	5VA (3.0)	N/A	105	Black





# State-of-the-Art Facilities Advance Quality & Consistency

Aurora Material Solutions has polymer compounding facilities in the U.S., located in Streetsboro, Ohio; Welcome, North Carolina; Lunenburg, Massachusetts; Pasadena, Texas; Evansville, Indiana; Louisville, Kentucky; and Marieville, Quebec, Canada.

Designed to remove all non-value-added steps in the manufacturing operations, our facilities optimize best practices and have the most current technologies. As a result, we have set the benchmark on product quality and lot-to-lot consistency in the industry.

- Industry leading tolerances on manufacturing processes
- Dedicated silos, tote bins, and all inventory is controlled through automation
- Rheology, color, and powder/pellet properties are measured several times during production
- In-house R&D laboratory including a complete analytical equipment portfolio
- Technical team is experienced, offering cutting edge technology, and providing field proven and laboratory verified compounds
- Newly built on-site UL certification testing laboratory



Streetsboro, Ohio



Welcome, North Carolina



Marieville, Québec



Lunenburg, Massachusetts



Pasadena, Texas



Evansville, Indiana



Evansville, Indiana



Louisville, Kentucky

To locate your local Aurora Material Solutions representative go to [www.auroramaterialsolutions.com/locate-sales-representative](http://www.auroramaterialsolutions.com/locate-sales-representative)

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

We continuously strive to lead the industry in quality products you can trust. 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).

#### **Corporate/Technical Center Production Facility**

9280 Jefferson St.  
Streetsboro, OH 44241  
Phone: (330) 422-0700

#### **North Carolina Production Facility**

180 Welcome Center Blvd.  
Welcome, NC 27374  
Phone: (336) 775-2640

#### **Québec, Canada Production Facility**

1877, Avenue Industrielle  
Marieville, QC, Canada  
J3M 1J5  
Phone: (450) 460-4488

#### **Lunenburg, Massachusetts Production Facility**

140 Leominster-Shirley Rd.  
Suite 100  
Lunenburg, MA 01462  
Phone: (978) 537-8261

#### **Pasadena, Texas Production Facility**

4395 Pasadena Freeway  
Pasadena, TX 77503  
Phone: (281) 542-5241

#### **Evansville, Indiana Production Facility**

15220 Foundation Ave.  
Evansville, IN 47725  
Phone: (812) 868-0808

#### **Evansville, Indiana Production Facility**

4825 North Spring Street  
Evansville, IN 47711  
Phone: (866) 481-7700

#### **Louisville, Kentucky Production Facility**

8331 Cane Run Road,  
Louisville, Kentucky 40258  
Phone: (502) 995-8585

