

**PARTNER HIGHLIGHT**




**Aurora Plastics** was founded in 1997 by three experienced PVC professionals dedicated to meeting the global quality challenges facing the industry. With the help of outside investment firms, **Aurora Plastics** was provided with the investment support required for new product development and geographic expansion. Aurora Plastics company expanded from two manufacturing facilities to five. It also made a number of acquisitions (*Plastique Reinier, S&E Specialty Polymers, JP Specialties South, and Elastocon*). These were a part of a strategic expansion into new markets, product platforms, and applications.

Most recently, **Aurora Plastics** merged with **Enviroplas Inc.** in October of 2022, which launched the company's engineered polymers division and broadened its range of products and penetration into markets that include aerospace, electronics/electrical, heavy truck, U.S military and automotive.



**FLEXIBLE ENGINEERED THERMOPLASTIC COMPOUNDS**

**RIGID ENGINEERED THERMOPLASTIC COMPOUNDS**

Clear TPE and FPVC	ABS	ASA	
Concentrates (Flame Retardant)	CPVC Compounds	MABS	
CPE Alloys	CPVC Compounds	PC	
Low-Smoke Zero-Halogen Compounds	PC/ABS Alloys	PC/ASA Alloys	
SBS and SEBS Compounds	PC/PBT Alloys	PC/PET Alloys	
TPE: Thermoplastic Elastomers	PEI	TPU Composites	
TPO (Custom): Thermoplastic Olefins			
TPR: Thermoplastic Rubber			

**Aurora Plastics Facilities**

Aurora Plastics now has six compounding manufacturing facilities, located in **Streetsboro, Ohio; Welcome, North Carolina; Lunenburg, Massachusetts; Pasadena, Texas; Marieville, Québec, Canada; and Evansville, Indiana.**



Our plants' quality management systems are certified to ISO 9001:2015. These include two of the newest plants in the industry – offering more than 700M+ lbs. of blending capacity – with future plant development in other locations on the horizon.

**Aurora Plastics is dedicated to your satisfaction. Working with us offers you a combination of benefits that are unmatched in the industry.**



PC Polycarbonate		
NAME	DESCRIPTION	EQUIVALENTS
ENVIROPLAS® 11-NC720	Non-halogenated/non-brominated flame retardant with light diffusion effective performance	Lexan® LUX 9616
ENVIROPLAS® 12-NC140	Flame retardant, excellent for thick parts without sinks	Lexan® 940
ENVIROPLAS® 14-NC190	Flame retardant, UV stabilized, high impact	Lexan® EXL 9330
ENVIROPLAS® 14-NC810	Non-halogenated/non-brominated flame retardant, high impact PC, UL (f1) UV	Lexan® EXL 9134
ENVIROPLAS® 13-NC150	10% Fiberglass, foamable, non-hal/non-brom flame retardant	Lexan® FL900
ENVIROPLAS® 13-NC160	10% Fiberglass, foamable, flame retardant, high heat resistance	Lexan® FL910
ENVIROPLAS® 13-NC170	10% Fiberglass, foamable, flame retardant, black	Lexan® 500
ENVIROPLAS® 13-NC180	20% Fiberglass, high heat resistance, increased toughness	Lexan® 3412R, 3412CR, Emerge® PC 8702-5
ENVIROPLAS® 13-NC240	5% Fiberglass, foamable, non-hal/non-brom flame retardant	Makrolon® SF800

PC/PBT Polycarbonate/Polybutylene Terephthalate		
NAME	DESCRIPTION	EQUIVALENTS
ENVIRON® 39-NC410	Low temperature impact and chemical resistance, UV stabilized	Xenoy® 5220U, Makroblend® UT6007, Pocan® C 1202
ENVIRON® 39-NC420	Excellent low temperature impact, UV stabilized	Xenoy® 5720U, Samsung® Infino AE-3060, Makroblend® KU 2-7912/4
ENVIRON® 39-NC800	Impact modified for low temperature impact resistance, good chemical resistance	Xenoy® 1103, Makroblend® KU 2-7912/4, Pocan® C 1202
ENVIRON® 39-NC450	Flame retardant, impact modified	Valox® 357
ENVIRON® 39-NC480	7.5% Fiberglass, foamable, good chemical and heat resistance	Valox® FV649
ENVIRON® 39-NC490	7.5% Fiberglass, foamable, flame retardant, UV stabilized	Valox® FV699
ENVIRON® 39-NC500	30% Fiberglass, low warpage, excellent mechanical strength	Valox® 508, Pocan® KU 1-7635 POS 151
ENVIRON® 39-NC510	30% Fiberglass, flame retardant, improved toughness	Valox® 553

ASA and PC/ASA Acrylonitrile Styrene Acrylate and Polycarbonate/Acrylonitrile Styrene Acrylate		
NAME	DESCRIPTION	EQUIVALENTS
ENVIROSUN® 31-NC070	High flow, high impact resistance, superior weather resistance	Samsung® WR-9300HF
ENVIROSUN® 31-NC080	High flow, high impact resistance, superior weather resistance	Samsung® WR-9120
ENVIROSUN® 31-NC730	Outdoor UV stabilized	Samsung® Starex WR-9160
ENVIROSUN® 32-NC090	High heat and impact resistance, good weatherability	Geloy® 4034
ENVIROSUN® 32-NC780	Flame retardant, high impact resistance, good weatherability	Geloy® HRA222F

PC/ABS Polycarbonate/Acrylonitrile Butadiene Styrene	
NAME	DESCRIPTION
ENVIROLOY® 15-NC250	High impact resistance
ENVIROLOY® 15-NC260	High flow, heat stabilized, hydrolytically stable
ENVIROLOY® 15-NC360	Non-halogenated/non-brominated flame retardant
ENVIROLOY® 15-NC380	Non-hal/non-brom flame retardant, high flow
ENVIROLOY® 15-NC390	Non-hal/non-brom flame retardant, good heat resistance
ENVIROLOY® 15-NC540	20% Fiberglass, excellent stiffness and processability
ENVIROBOTICS® 15-NC580	Used in medical and hospital applications
ENVIROLOY® 16-NC280	Low gloss, UV stabilized, automotive trim applications

PEI and PSU Polyether Imide and Polysulfone	
NAME	DESCRIPTION
ENVIROPLAS® 17-NC020	Flame retardant, excellent thermal performance
ENVIROPLAS® 17-NC040	10% Fiberglass, flame retardant, high strength and stiffness
ENVIROPLAS® 17-NC050	20% Fiberglass, flame retardant, high mechanical strength
ENVIROPLAS® 17-NC060	30% Fiberglass, flame retardant, high mechanical strength
ENVIROPLAS® 17-NC840	20% Glass bead, low moisture absorption
ENVIROPLAS® 42-NC740	20% Fiberglass, high flow polyetherimide/PC blend with internal mold release.
ENVIROPLAS® 48-NC570	High-strength, for continuous high temperature use, highly resistant to mineral acids, alkali and salt solutions
ENVIROPLAS® 49-NC750	20% Fiberglass, high flow polysulfone/PC blend with internal mold release.



## AURORA FLEX™ Flexible Compounds

### AuroraFlex™

Aurora Plastics offers thermoplastic elastomers based on SEBS and SBS polymers, high performance nitrile TPEs, TPOs, and CPE alloys as well as flexible PVC compounds, with a variety of physical properties required for non-rigid applications.

**AuroraFlex SBS and SEBS compounds** utilize multiple TPE/TPR chemistries for high strength materials that process quickly and consistently. These materials have many of the same properties as vulcanized rubber, but can be molded and extruded using conventional thermoplastic process equipment. Thermoplastic processing provides advantages over vulcanized, thermoset rubbers, which are processed using a slower and more costly curing process. Most of our TPE formulations are 100% recyclable and are RoHS compliant. TPE options are available as low as 10A\* up to 50D durometer hardness. Some of our TPEs are offered in clear, as well as oil free grades.

**AuroraFlex™ SL:** Enhanced Abrasion Resistance for the Toughest Applications  
Aurora's **AuroraFlex SL** products are ideal for door-bottom sweeps, refrigeration door gaskets, window gaskets and more. Standard PVC will wear over time, causing tearing. Tearing and overall wear creates a gap at the bottom of the threshold. Aurora's solutions pass industry abrasion tests with no wear at all. Abrasion resistance is significantly improved with increased tensile and elongation properties. As a result, your customers will save energy and money.

**AuroraFlex SL has 95% better wear resistance than standard flex PVC.**

		% LOSS / 1000 CYCLES	% LOSS / 1000 CYCLES
Taber Abrasion (3473SL)	ASTM D4060	0.4	0.4
Taber Abrasion (3473 Standard)	ASTM D4060	7.5	7.5



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