



# AURORA FLEX™

## Flexible Compounds

## Exceptional Quality and Service to Meet a Variety of Application Needs

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™ High Performance Flexible Material Technologies

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.

As a cost-efficient alternative to our thermoplastic elastomers, we can provide AuroraFlex flexible PVC compounds that provide elastomeric performance. Aurora Plastics can provide flexible PVC from 35A to 95A Shore A durometer\* to semi-rigid, with specific gravities ranging from 1.15 to 1.65. We use various types of compound additives to promote plasticity and flexibility to meet specific needs, such as renewable non-phthalate, improved low temperature tolerance and biocides.

### AuroraFlex™ SL: Enhanced Abrasion Resistance for the Toughest Applications

When you're looking for a compound that offers high abrasion resistance and excellent processing properties, AuroraFlex SL will meet your needs.

AuroraFlex SL is designed to produce longer-lasting materials, with no tearing. It is offered in multiple thermoplastic chemistries, such as flexible PVC, TPO and TPE.

\* NOTE: Durometer hardness is measured with a calibrated durometer using the Shore Type-A scale in a room of consistent temperature. The indenter is inserted for 15 seconds to determine if it passes the ASTM D2240-Durometer Hardness test for the desired durometer.

AURORA PLASTICS

AURORA  
FLEX™

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

## In addition, AuroraFlex SL compounds offer:

- › Faster injection molding cycles
- › Lower colorant usage
- › Brighter/better appearance
- › Resistance to soiling
- › Improved BSR/NVH properties
- › Improved hydrophobicity
- › Easy assembly of interlocking features
- › Energy damping properties
- › Improved low temperature fragmentation
- › Improved scratch and abrasion resistance

Our team will work with you to further customize the formulation to meet all your product needs such as filler level, color, antimicrobial, UL, fungicide, UV, high/ low temperature resistance.

## Ideal for Many Applications

AuroraFlex™ compounds are used in a wide range of applications across many markets. These include:

- › AGRICULTURE
- › APPLIANCE
- › AUTOMOTIVE
- › CONSUMER & INDUSTRIAL
- › CUSTOM
- › ELECTRICAL
- › ENERGY STORAGE
- › FILM & SHEET
- › FOOTWEAR
- › FURNITURE
- › HOSE & TUBE
- › HOUSEWARES & PERSONAL CARE
- › PACKAGING
- › POINT OF PURCHASE
- › POOL & SPA
- › RECREATION
- › SEALS & GASKETS
- › TOOLS & HARDWARE
- › UMBILICALS
- › WINDOWS & DOORS
- › WIRE & CABLE
- › WIRE COATING



## Expect Exceptional Service and Speed

Repeat business is how we've built our company. Our customers appreciate fast quotations, an ability to handle any order size, and an unsurpassed lead time. Beyond service and speed, is exceptional quality. Our manufacturing facilities utilize processes that are certified to ISO 9001:2015 with Design.

Aurora Plastics isn't the only supplier of flexible compounds, but we separate ourselves from the competition as a custom compounder, driven by a continuous improvement mindset. Our goal is to provide the highest quality products and the best customer service in the industry. We work closely with you throughout the process to fully understand your specific requirements to ensure we offer the best formulation for your application; and assistance with color and compound matching. Aurora Plastics strives to be our customers' **"first choice"** in plastics compounding.



# AURORA FLEX™



Aurora Plastics manufacturing facilities utilize processes that are certified ISO 9001:2015 with Design



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