

**GRASP  
WHAT'S  
POSSIBLE.™**



**AUDIA® ELASTOMERS**  
An AUDIA® Company

# COMPANY PROFILE

Audia Elastomers occupies the unique position of the developing and manufacturing TPEs globally. Over the years Audia Elastomers has developed different technology platforms that offer a series of standard and custom formulated TPEs to meet customer needs in different market segments under Audia Elastomers trademark. Proper combination of different chemistries and process technology provides the flexibility to Audia Elastomers for engineering products for different processing technologies, like injection/blow molding, 2k overmolding, film and sheet extrusion and profile/co-extrusion. Audia Elastomers products are formulated to meet different regulatory standards like RoHS, PAHs, REACH, EN71, 16P, FDA and UL.

Audia Elastomers grades find broad applications in Consumer, Automotive, Medical and Industrial market segments, etc. Currently Audia Elastomers grades are sold into Asian, European and North American markets, etc. Audia Elastomers' quality management system, ISO9001:2015, ensures consistent quality that meet customer requirements. With our state-of-the-art manufacturing facility in LaFayette, GA and Shenzhen/Changshu, China and a growing global footprint, Audia Elastomers is a true partner in your success. For more information, visit [www.audiaelastomers.com](http://www.audiaelastomers.com).

## AUDIA GROUP

Audia (Audia International, Inc.) is a global plastics leader and is comprised of four companies – Washington Penn, Audia Elastomers, Uniform Color, and Southern Polymer. The Audia companies work together to serve customers worldwide, collectively making them leaders in the thermoplastics market. With a global network of customers, suppliers, partners, and employees, Audia is committed to our philosophy of social and environmental responsibility to make the world a better place. For more information, visit [www.audia.com](http://www.audia.com).



**WASHINGTON PENN**

**AUDIA ELASTOMERS**

**UNIFORM COLOR**

**SOUTHERN POLYMER**



# AUTOMOTIVE

Audia Elastomers automotive TPE grades are developed to meet different auto-motive standards for interior and exterior applications. Our products offer a broad processing window with excellent elastomeric and temperature performance. Audia Elastomers also offers an unique set of cost effective products to replace TPV's in various applications.

## CHARACTERISTICS

- Excellent UV and ozone resistance
- Good mechanical properties
- High abrasion and scratch resistance
- Improved high temperature performance and compression-set
- Chemical and oil resistance
- Low odor and low fogging
- Adhesion to engineering plastics like PC, PC/ABS, PBT & Nylon
- Easy to process and recycle



Product Series	Color	Hardness (Shore A)	Specific Gravity (g/cm <sup>3</sup> )	Processing Method	Bonding	UL	Remark
299	Natural	15-95	0.99	Injection Extrusion	PP	HB	High transparency
350	Natural	45-90	1.15	Injection	ABS, PC, ASA, PMMA, PC/PBT	HB	Excellent bonding with polar substrates
360	Natural	40-80	1.12	Injection	PA6, PA66, PA+GF	HB	Excellent bonding with PA
390	Natural	40-80	0.95-1.10	Injection	PC, PBT, ASA, Tritan	-	Excellent bonding with polar substrates Excellent heat/weather resistant
505	Natural	35-95	1.10	Injection	PP	-	Excellent heat resistant Low compression set
800	Natural	35-95	0.97	Injection Extrusion	PP	-	Excellent heat resistant Low compression set
IN300	Natural Precolored	40A-90A	0.90-1.10	Injection	PP, TPO	-	Excellent interior UV High flow
IN400	Black Precolored	40A-50D	0.95-1.10	Injection	PP, TPO	-	Excellent long term heat aging
IN500	Black Precolored	40A-50D	0.95-1.20	Injection	PP, TPO	-	Excellent exterior UV High flow

# HEALTHCARE

Audia Elastomers offers several grades of TPEs, with excellent clarity in a very broad hardness range in Shore OO, Shore A and Shore D. Specialty Audia Elastomers grades enable customers to replace traditional thermoset and silicone rubber in many healthcare applications. Unique characteristics of Audia Elastomers TPEs offer customers cleaner and better alternatives in medical application design and production.

## CHARACTERISTICS

- Meets FDA, RoHS, PAHs, REACH, EN, 16P standards
- Very low to no migration
- High transparency
- ETO, gamma and steam sterilizable
- Excellent dimensional stability
- Easy to process- molding, extrusion, and co-extrusion
- Environmentally safe and 100% recyclable

Product Series	Color	Hardness (Shore A)	Specific Gravity (g/cm <sup>3</sup> )	Processing Method	Bonding	UL	Remark
200	Clear	10-95	0.89	Injection Extrusion	PP	-	High transparency
201	Clear	0-10	0.87	Injection	-	-	Very low hardness
202	Translucent	20-95	0.89	Injection Extrusion	PP	-	Excellent mechanical strength
203	Translucent	25-90	0.89	Injection Extrusion	PP	-	Excellent elasticity
502	Natural	25-95	1.10	Injection	PP	-	Low compression set



# CONSUMER

Audia Elastomers TPE provides highest quality products for a variety of consumer goods. They are proven in a broad array of applications like Kitchen tools, Appliances, Toys, Sports & Leisure Goods and sold globally to customers in Asia, Europe and America. They come in ultra soft to very high hardness with excellent haptics and damping properties. These products meet global regulatory standards while introducing new cost-effective material and processing options. They are easy to color, conform with FDA and LFGB requirements and offer excellent mechanical properties and are easy to process.

## CHARACTERISTICS

- Soft-touch with excellent surface appearance, light weight, odorless
- Excellent bonding to polyolefins (PP, PE, etc.), and engineering plastics (PET, PBT, ABS, PC/ABS, Nylon, etc.)
- Can meet FDA, RoHS, Reach, EN71,16P, standards and is easy to process and recycle





Product Series	Color	Hardness (Shore A)	Specific Gravity (g/cm <sup>3</sup> )	Processing Method	Bonding	UL	Remark
100	Natural Clear	15-95	0.89	Injection Extrusion	PS	-	High mechanical strength painted and printed
200	Clear	10-95	0.89	Injection Extrusion	PP	-	High transparency
201	Clear	0-10	0.87	Injection	-	-	Very low hardness
202	Translucent	20-95	0.89	Injection Extrusion	PP	-	Excellent mechanical strength
203	Translucent	25-90	0.89	Injection Extrusion	PP	-	Excellent abrasion resistance
2075	Natural	70	1.00	Injection	PP	-	FDA 177.2600 compliance Fatty food contact
261	Translucent	20-95	0.89	Injection	PP	HB	Excellent flowing property
299	Natural	15-95	0.99	Injection Extrusion	PP	HB	Good bonding with PP
330	Natural Clear	15-70	0.97	Injection	ABS, PC, PMMA, PCTG	-	Excellent bonding with polar substrates
350	Natural	45-90	1.15	Injection	ABS, PC, PC/PBT	HB	Excellent scratch resistance Excellent bonding with polar substrates
360	Natural	40-80	1.12	Injection	PA6, PA66, PA+GF	HB	Excellent bonding with PA
370	Natural	25-65	1.09	Injection	POM	-	Excellent bonding with POM
390	Natural	40-80	0.95-1.10	Injection	PC, PBT, ASA, Tritan	-	Excellent bonding with polar substrates Excellent heat/weather resistant

# CONSUMER ELECTRONICS

Audia Elastomers TPE grades are nontoxic and environmental friendly, with excellent haptics, bulge resistance, and long term aging performance. These products meet industry standards for electrical and electronic applications.

## CHARACTERISTICS

- Flame retardant properties like UL94 HB/V0/V1 halogen-free compounds available
- Excellent haptics soft/silky feel
- Excellent scratch resistance and abrasion resistance
- Weather resistance and UV resistance
- Easy to color
- Broad hardness range
- Easy to process and 100% recyclable
- Meets FDA, RoHS, PAHs, REACH, EN,16P standards



Product Series	Color	Hardness (Shore A)	Specific Gravity (g/cm <sup>3</sup> )	Processing Method	Bonding	UL	Remark
202	Translucent	20-95	0.89	Injection Extrusion	PP	-	Excellent mechanical strength
203	Translucent	25-90	0.89	Injection Extrusion	PP	-	High elasticity
243	Natural	45-90	0.89	Extrusion	PP	-	Excellent smooth and soft-touch feeling
299	Natural	15-95	0.99	Injection Extrusion	PP	HB	Excellent processability
350	Natural	45-90	1.15	Injection	ABS, PC, PC/PBT	HB	Excellent scratch resistance
360	Natural	40-80	1.12	Injection	PA6, PA66, PA+GF	HB	Excellent bonding with PA
390	Natural	40-80	0.95-1.10	Injection	PC, PBT, ASA, Tritan	-	Excellent bonding with polar substrates Excellent heat/weather resistant
FRB2	Natural	85	1.05	Injection Extrusion	PP	V0	High flame retardant property

# INDUSTRIAL

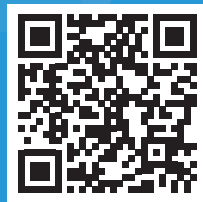
Audia Elastomers TPEs with its excellent weathering and chemical resistance finds wide application in the industrial field. These materials provide smooth soft touch, excellent scratch resistance and abrasion resistance, good wet grip and unmatched shock absorption. Our products have superior elastomeric properties and make it the material of choice to replace thermoset rubber materials in this market.

## CHARACTERISTICS

- High elasticity-low compression and tension set
- Excellent scratch and abrasion resistance
- Excellent oil resistance
- Very good tear strength
- Superior grip
- Good UV-resistance
- Best in Class Shock absorption
- Excellent bonding to polyolefin (PP, PE, etc.) and engineering plastics (PET, PBT, ABS, PC, PC/ABS, Nylon, etc.)
- Easy to process and recycle



Product Series	Color	Hardness (Shore A)	Specific Gravity (g/cm <sup>3</sup> )	Processing Method	Bonding	UL	Remark
203	Translucent	25-90	0.89	Injection Extrusion	PP	-	Excellent elasticity Low oil bleeding Excellent abrasion resistance
261	Translucent	20-95	0.89	Injection	PP	HB	Excellent flowing property
299	Natural	15-95	0.99	Injection Extrusion	PP	HB	Excellent processability Good bonding with PP
350	Natural	45-90	1.15	Injection	ABS, PC, PC/PBT	HB	Excellent scratch resistant Excellent bonding with polar substrates
360	Natural	40-80	1.12	Injection	PA6, PA66, PA+GF	HB	Excellent bonding with PA
390	Natural	40-80	0.95-1.10	Injection	PC, PBT, ASA, Tritan	-	Excellent bonding with polar substrates Excellent heat/weather resistant
505	Natural	35-95	1.10	Injection	PP	-	Excellent heat resistant Low compression set



**[audiaelastomers.com](https://audiaelastomers.com)**

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