



it's flexible



it's innovative



it's reliable



it's your business partner



it's **e|astron**

about us



- Privately owned enterprise
- Located in Kocaeli, Turkey
- The first SBS compounder in Turkey
- One of the first five SEBS compounders in Europe
- Producer of EPDM/PP TPV compounds since 1996
- Current annual production capacity - 25,000 tons.
- Sister Companies : Pulver Kimya A.S- powder coatings
Riva A.S - export trading co.
- Group Sales Turnover: 110 million EUR
- 380 employees – all group companies



pulver



history

- Founded in 1980 in İstanbul, Turkey
- Initial annual production capacity of 1,500 tons/yr
- Major supplier to shoe sole industry
- Production of SBS based TPE compounds
- Production of SEBS based compounds -1991
- Production of EPDM/PP (TPV) compounds-1996
- Moved to its new plant in Gebze,Kocaeli in 1998
- Increased capacity to 10,000 tons/yr.
- ISO 9001:2000 certification- 2003
- ISO TS 16949 certification- 2007
- ISO 14001 certification – 2010
- Current capacity of 25,000 tons/yr.

vision



SUCCESS

Our success is built on a foundation of shared values – quality products & service, quality relationships, mutual trust, integrity and financial strength.

Our vision is to to be recognized as a high quality,innovative, technology offering global TPE supplier.

team



~380 employees in all group companies,
total 75 in ELASTRON

- Production & Process Control 35
- Sales & Marketing 10
- R&D 13
- Administrative Staff 10
- Finance & Accounting 3
- Warehousing & Logistics 4

factorylocation



GOSB Industrial Zone



factorylocation



6,000 m² factory & warehouse in total 17,000 m² area



factory capacity



Annual production capacity 25.000MT
Automatic feeding system - 8 production lines
Automatic packaging system



r&d laboratory



Physical and mechanical tests

Hardness: ShoreA or ShoreD
Density: g/cm^3
Tensile Strength: kgf/cm^2 or Mpa
Elongation: %
Modulus: Mpa
Tearing: N/mm
Compression Set: %
MFI: g/10'
Flammability: UL 94 (VO - V1 - HB)
Abrasion: mm^3
Izod Impact test (ASTM): J/M
Colormeter
Gloss meter

Chemical & Weathering tests

Ageing Tests
Chemical Resistance Tests
Fogging Tests
Odour tests
pH measurement
Soxhlet Extraction
DSC (Differential Scanning Calorimetry)
Viscometer (For SEBS and Oil)
TGA (Thermal gravimetric Analysis)
FTIR (Fourier Transform Infrared Spectroscopy)

New investments for 2011

Weatherometer Cabinet (for Arizona & Florida accelerated ageing tests)
Capillary Rheometer
Mooney Viscometer (for EPDM)

QUALITY CERTIFICATIONS



ISO 16949



ISO 9001



ISO 14001



product lines

ELASTRON[®] D

SBS based Thermoplastic Elastomers

ELASTRON[®] G

SEBS based Thermoplastic Elastomers

ELASTRON[®] V

EPDM/PP based Thermoplastic Vulcanizate

ELASTRON[®] TPO

EPDM(EPR)/PP based soft Thermoplastic Olefins

product lines



ELASTRON® D

SBS based Thermoplastic Elastomers

Types

- Standart Grades
- Unfilled (Translucent) Grades
- Transparent Grades
- Pharma – Food Grades



product lines

ELASTRON® G

SEBS based Thermoplastic Elastomers

Types

- Standart Grades
- Semi Filled Grades
- Unfilled (Translucent) Grades
- Transparent Grades
- High Heat Resistance & Excellent Compression Set Grades
- PA Bondable Grades
- ABS and PC Bondable Grades
- Pharma – Food Grades
- Halogen Free Flame Retardent Grades



product lines

ELASTRON® V

EPDM/PP based Thermoplastic Vulcanizates

Types

- Standart General Purpose Grades
- High Heat Resistance – Better Comp.Set Grades
- Halogen Free Flame Retardent Grades
- Pharma – Food Grades
- High Flow Injection Grades
- Automotive Weatherseal Grades

applications

elastron



- Washing machines
- Dishwashers
- Dryers
- Refrigerators

appliances

applications



Application examples

- Washing machine hose connectors
- Anti-slip pads
- Dishwasher door seal
- Salt deposit cap gaskets
- Fridge door seal
- Washing machine shock absorber parts
- Dryer front door seal
- Ice cube deposits

appliances

applications

elastron



construction

applications



Application examples

- Window Profile seals
- Co-ex seals
- Door seals
- Solar Panel seals
- Shower cabinet seals
- Waste water pipe gaskets

construction

applications



- Interior
- Exterior
- Under the hood
- Weatherseals

automotive

applications



Application examples- Interior

- Handbrake & gearshift bellows
- Gaskets
- Pads & cup holders
- Pad heel
- HVAC door seals
- Horn cover
- Pedals
- Glovebox cover & housings
- Mats
- Seat gasket

automotive



applications

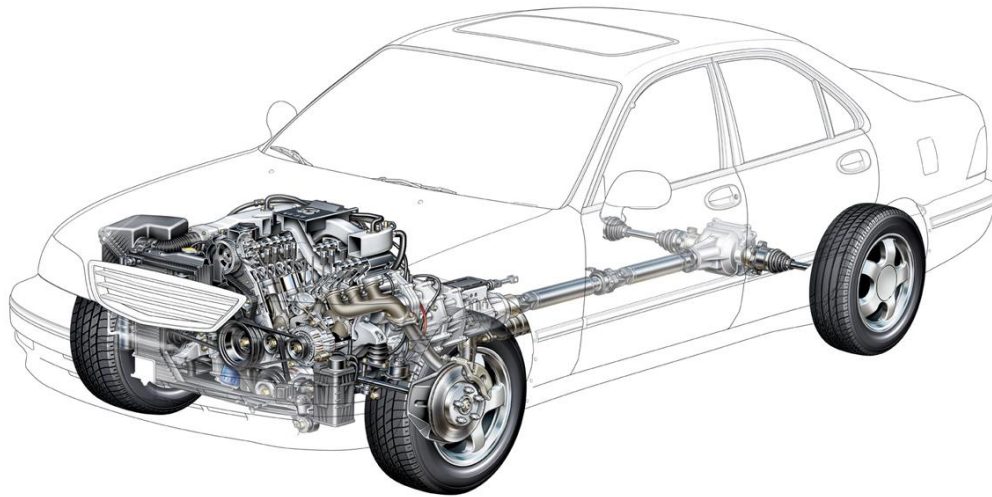


Application examples- Exterior

- Wiper spoiler
- Mud flaps
- Wheel housing parts
- Fuel entrance cover seal
- Side and front spoiler
- Lightning seals
- Windscreen cleaning hose

automotive

applications



Application examples- Under the hood & Chasis

- Clean air ducts
- Suspension bellows
- Air filter seal
- AC waste water pipe
- Radiator seals
- Steering bellows & dust boots
- Grommets & plugs
- Mechanism cable covers & brake conduit
- Fuel line hose

automotive

applications



Application examples- Weatherseals

- Inner&Outer belt line seals
- Glass run channels
- Sun roof seals
- Glass encapsulations
- Cowl vent seals

automotive

applications



- Medical industry
- Oral-care items
- Hygiene articles

medical & care



applications



Application examples

- Syringe Tips/Gaskets
- Infusion bottle caps
- Toothbrush Handles
- Hairbrush Handles
- Shaver Handles
- Soft touch for Care Elements
- Teething Ring for Babies
- Baby Pacifier Elements
- Seals for Medical Applications
- Steam Sterilizable Medical Slippers
- Artificial Respiration Hand Pump
- Surgery Equipment Parts



medical & care

applications



- Electrical items
- Electronic articles
- Cable industry
- Communication devices

electrical & electronics

applications



Application examples

- Cables and wire sheeting
- Grommets
- Multigates
- Sealing for electronic articles
- Mobile phones
- Industrial Plugs
- Buttons and Soft touch
- TV - DVD anti-slip pads

electrical & electronics

applications

The logo for elastron, featuring the word "elastron" in a blue, lowercase, sans-serif font. The letter "e" is stylized with a loop at the top.

application

- Food packaging
- Sports equipment
- Home appliances
- Toys

consumer

applications



examples

- Toy Parts
- Handles for sporting goods and bicycles
- Food container box seals
- Anti-slip mats
- Bed springs (Bed supports)
- Sea Sport items
- Furniture parts
- Grips for personel care items



consumer

applications



- Hand Tools
- Home appliances
- Mechanical Parts

tools and appliances

applications



Application examples

- Screwdriver soft-touch
- Shock absorbers
- Vibration Absorber for Kitchen Robots
- Industrial Wheels (PP and PA bondable)
- Soft-touch for power tools
- Gaskets and Sealings for household appliances
- 2K molded castor wheels

tools and appliances

applications

elastron



- All sectors

impact modifiers

applications



examples

- Impact Modifier for Polypropylene (PP)
- Impact Modifier for Polyethylene (HDPE)
- Impact Modifier for Polystyrene (PS)
- Impact Modifier for ABS
- Impact Modifier for Polyamide

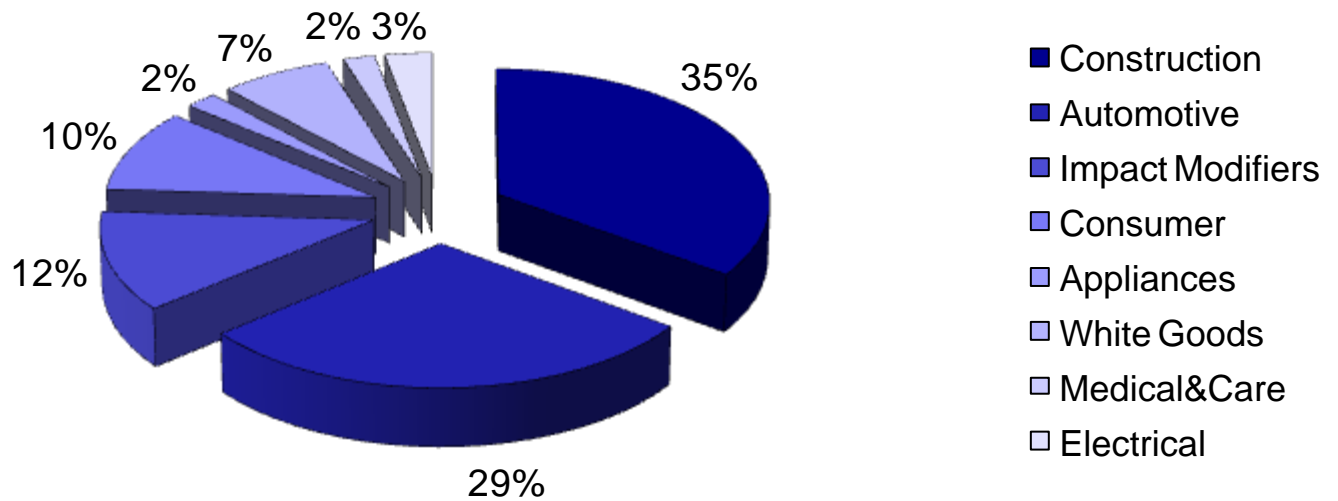
impact modifiers

elastron worldwide



- Austria
- Australia
- Argentina
- Belgium
- Belarus
- Bosnia and Herzegovina
- Bulgaria
- Brazil
- Canada
- Czech Rep
- Croatia
- Denmark
- Egypt
- England
- Finland
- France
- Germany
- Hungary
- India
- Iran
- Israel
- Italy
- Lithuania
- Norway
- Poland
- Portugal
- Russia
- Slovakia
- Serbia
- South Africa
- Spain
- Switzerland
- Ukraine
- Saudi Arabia
- USA

sector sales



industries

success stories

2004

- Turkish window seal market- switch from EPDM rubber to co-extruded TPE gaskets.

2007

- A German leading Window Seal manufacturer increased its output and capacity

2008

- A German Automotive OEM tier1 supplier – switch to Elastron- 200,000 USD savings/year.

Approved by many OEMs for a range of automotive applications :

Horn cover application at GM Daewoo
Plate air guide and mudflap applications for Toyota's Verso and Auris models.
Air intake hose – Clean air duct application for Renault
Pad heel application for Honda
Wiper spoilers for Renault
VW air intake hose

- Introduced high performance, higher mechanical property HFFR TPE compounds

- Elastron has started to supply for syringe tips application-medical approvals

2009

- Introduced new generation bonding grades -with improved bonding performance
- USP Class VI approvals for Medical Market

2010

- Full range of UL94 approvals
- Activation of sales to Automotive Weatherseal application.

2011

- Toyota approval for Glass encapsulation.



why elastron?

Experience

- Over 30 years of experience
- Market leader in Russia
- Exportation to over 40 countries

Product Portfolio

- Broad product portfolio (TPV , TPO, SEBS, SBS)

Quality

- ISO9001, ISO TS 16949, ISO 14001 certifications.
- Proven performance at demanding European customers

Customer Support

- Collaboration in product and application development
- Quick Response
- Technical support

Better Value

- Lower cost for equivalent performance

Flexibility

- Willing to develop special products and tailormade designs