



Compound
Customized to your needs.

Saxomer® TPE Compounds



Saxomer TPE Compounds Soft touch for your life

Saxomer V Power | Saxomer O Impac
Saxomer S Flex | Saxomer T Eco

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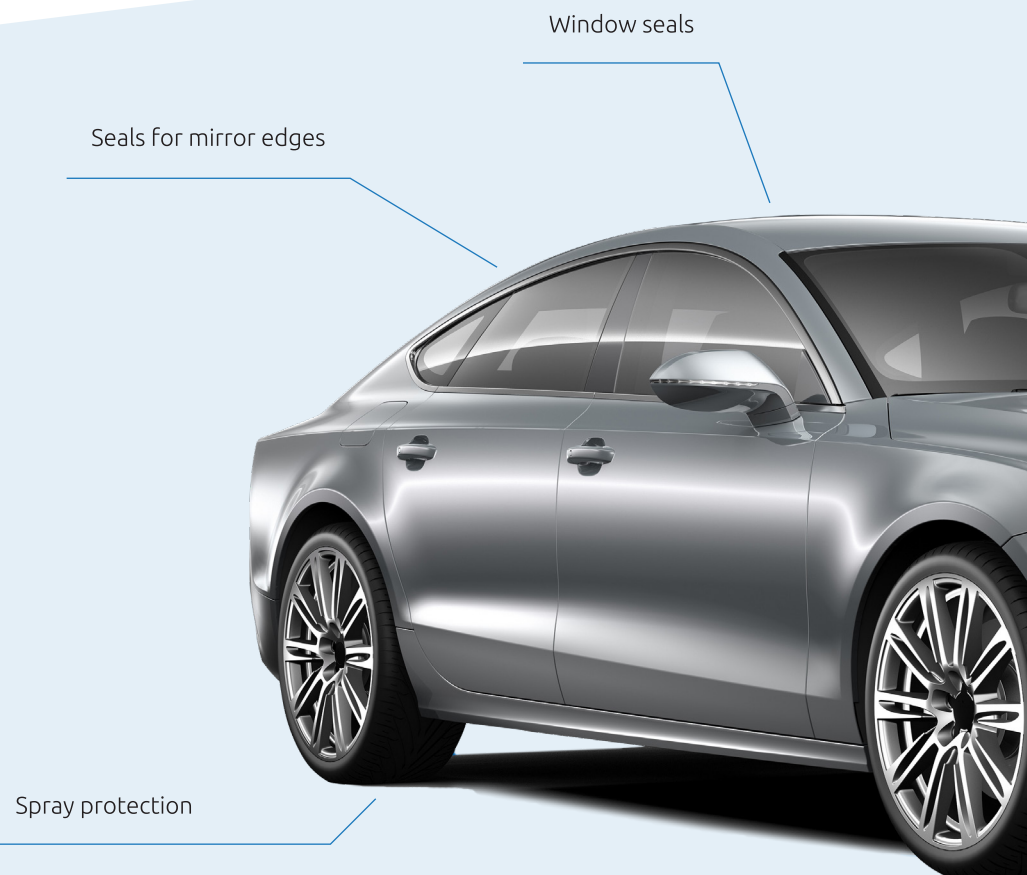
Saxomer® V Power

Saxomer V Power is a dynamically vulcanized thermoplastic elastomer (TPE-V) made by melt mixing polyolefinic thermoplastics (mainly with PP but also with PE) and synthetic rubbers (mostly EPDM but also NBR, NR or POE), while phenolic curing the rubber component.

Hardness: 35A - 60D | Density: 0.89 - 1.25

Why you should use our TPV

- with our new technology pre-drying is mostly not necessary
- 100% recyclable
- economical solutions in many different segments
- very good abrasion resistance
- excellent compression set
- excellent mechanical properties
- improved high temperature resistance
- low temperature flexibility
- good adhesion to many thermoplastics
- excellent surface
- easy to colour
- excellent UV and ozone resistance



Saxomer® O Impact

Saxomer O impact is a thermoplastic elastomer (TPE-O) physical alloys between polyolefine (PP) "hard segment" and POE, EPR or EPDM "soft segment", with the addition of fillers and plasticizers.

Hardness: 75A - 60D | Density: 0.86 - 1.30



Why you should use our TPE-O

- resistance to acid, base and detergent
- Extrusion, Injection and Blow Molding suitable product
- very economical solution
- 100% recyclable
- flexible at low temperature
- excellent surface
- colored grades is possible
- service temperature from -40°C to +100°C
- non hygroscopic, pre drying is not necessary
- good tear resistance
- easy to color
- very good ozone and UV resistance



Further products and informations
are available on request!
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Diving goggles and flippers

Saxomer® S Flex

Saxomer S Flex is a thermoplastic elastomer based on Styrenic Block Copolymers (TPE-S): physical alloys between polyolefines (PS/PP/PE) 'hard segment' and styrene block polymers (SBS, SEPS, SEBS, SEEPS) 'soft segment', with the addition of different fillers, plasticizers and stabilizers.

Hardness: 0A - 65D | Density: 0.89 - 1.45

Why you should use our TPE-S (SEBS)

- resistance to weathering, ozone, UV and impact
- 100% recyclable
- translucent and transparent forms are possible
- provides quite higher saving on the processing cost
- non hygroscopic, pre-drying is not necessary
- densities between 0,89 and 1,45 g/cm³
- low cost solutions are highly possible
- service temperature from -40°C to +130°C
- wide hardness range (0 ShA up to 65 ShD)
- very easy to color
- resistance to acid, base and detergents
- adhesion to PA, ABS, PS and PC, engineering plastics
- adhesion to PVC
- very good abrasion resistance
- some special grades, resistant to bacterial attack and fungus growth
- antistatic compounds possible
- almost all grades complying to FDA regulations
- KTW approved drinkwater



Car mats



Dumbbells



Drill machine



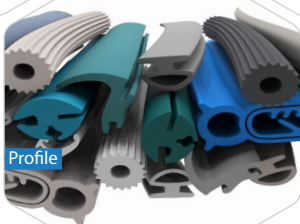
Pocket knife



Toothbrush handles



Rubber of shower head



Profile



Cables

Saxomer® T eco

Saxomer T eco is a thermoplastic elastomer based compound, which is based on styrene-butadiene-styrene (SBS) block copolymers that behaves like rubber at room temperature and has advantage of easy processing. SBS will be produced with the addition of different fillers, plasticizers and stabilizers.

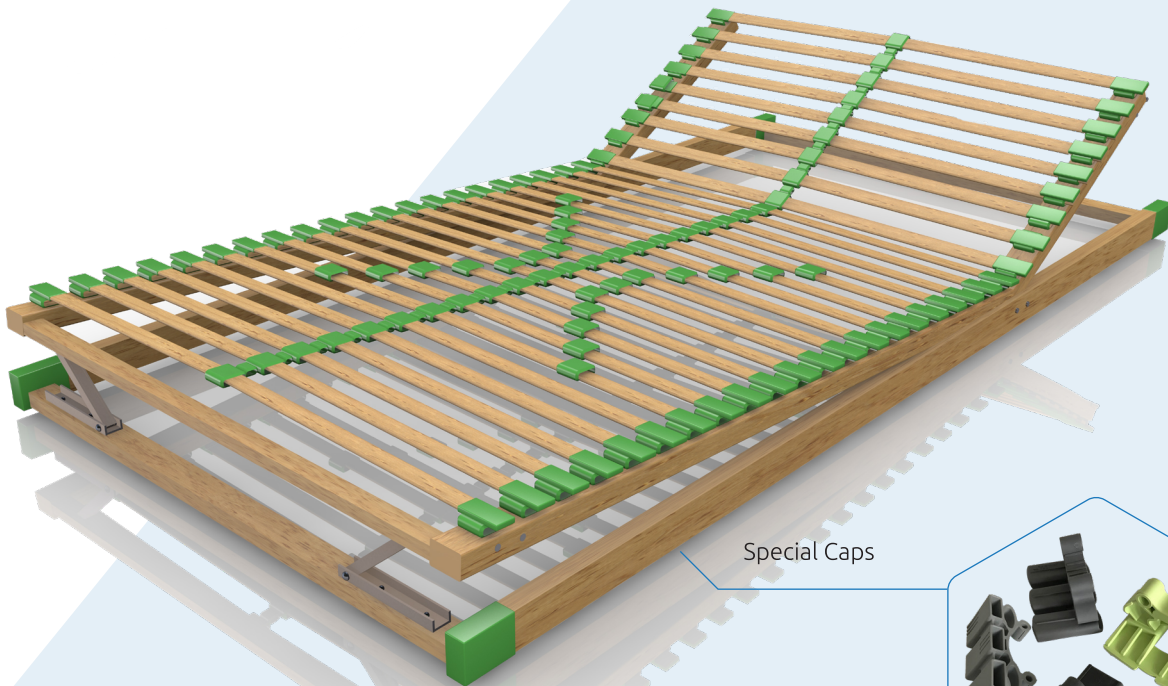
Hardness: 10A - 65D | Density: 0.89 - 1.40



Razor

Why you should use our TPE-S (SBS)

- lower price
- non-hygroscopic, pre drying is not necessary
- flexible between -30°C and +65°C
- hardness between 10 ShA - 65 ShD
- direct coloring during processing is possible
- better bond ability to non-polyolefin substrates
- density ranges between 0,89 and 1,40 g/cm³
- 100% recyclable
- compounding versatility



Special Caps



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Only a couple examples of What you can produce with our compounds

Industrial applications

(Mainly SEBS, TPV and Engineering Plastics)

- Steering rollers, Tires
- Sealing for toolboxes
- Handles for tools and power tools
- shock and vibration absorbers for electrical tools
- Hoses and hose connectors
- Valves and diaphragms
- Tunnel seals

Sports

(Mainly SEBS, SBS, TPV and Engineering Plastics)

- Handles for sports equipment
- Diving goggles and flippers
- soft protectors and shock absorbers
- Eyeglass frames
- Golf article, Golf car's parts

Toys

(Mainly SBS, SEBS and Engineering Plastics)

- Teething rings
- „Soft Touch“ bath toy
- Dolls
- Toy bicycles
- Toy car wheels
- Paint toys
- „Soft Touch“ handles and parts for toys

Packaging

(Mainly SEBS, Additive and SBS)

- Bottles seals
- Bottles handles
- Caps and closures
- Clothes hanger cover
- Storage container seal
- 11 Other (Mainly Additive and SEBS)
- Plasticizer additive for plastics
- Raw material / additive for candle mixes

Household appliances

(Mainly SEBS, TPV and Engineering Plastics)

- Drain hoses and hose connections for washing machines and dishwashers
- Anti-slip feet and mats
- Sealing and sealing
- Bellows and bellows
- Vibration and shock absorbers
- Refrigerator sealing
- Different garden applications like water hose or garden equipment etc.

Installations and superstructures

(Mainly SEBS, TPO and TPV)

- Coextruded window seals
- Seals for shower cubicles
- Seals for doors, pipes and fittings
- expansion joints
- Roof membranes
- Water sealing systems

Constructions and configurations

(Mainly TPV, SEBS, SBS and TPO)

- Bed springs and slatted slatted caps
- Armrests
- „Soft Touch“ handles and functional elements for furniture
- Coverings and coverings
- Sealing for the sanitary area
- objects and „Soft Touch“ parts of all kinds
- Garden furniture and accessories
- Ice cube maker

Electrical and electronics

(Mainly SEBS, TPV, TPO and Engineering Plastics)

- Injected seals for electrical and electronic housings
- Telephone and mobile phone parts and housings
- Seals for lighting systems and electronics housings
- Vibration and noise insulation for electrical and electronic accessories
- Buttons and switches
- Cable management and flexible cable insulation
- Cable connector
- industrial plugs and connectors for housings

Care and health

(Mainly SEBS and SBS)

- Toothbrush handles
- Shaver
- Handles and parts for shavers
- Handles for care products
- Covers and handles for hygienic products
- Valves and diaphragms
- Nipples and dummies

Automotive

Interior

(Mainly SEBS, TPV and Engineering Plastics)

- Interior storage bins and mats
- Anti-slip mats
- Switch covers
- Gear shifts
- Seals for ventilation ducts
- Seat belt covers
- Airbag covers

Exterior

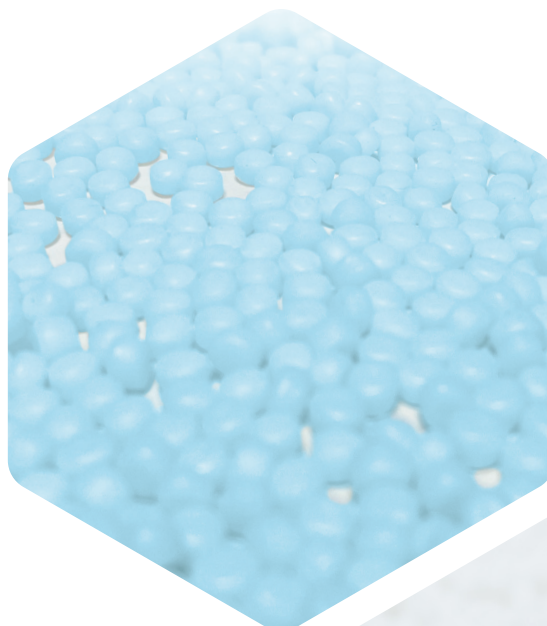
(Mainly TPV, TPO and Engineering Plastics)

- Casing Seals / Seals
- Seals for turn signal and lamp housings, mirror edges
- Spray protection
- window seals and glass encapsulation (glass encapsulation)
- Spoiler, spoiler edges, corner parts

Under the Hood

(Mainly Engineering Plastics, TPV and TPO)

- Bellows and implementations
- Seals for electrical devices / housings
- Break cable
- Battery cable



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Innovative and Competent

With passion for technical perfection and a sure feeling for market requirements and developments, the Polyplast Müller Group is the masterbatch and compound specialist for the entire polymer-processing industry.

Today the Polyplast Müller Group achieves a turnover of EUR 350 million with 700 employees and has great market experience and large production capacities at altogether five locations in Germany and North America.

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Innovative and Competent – Your right partner for compounding. At its facility in the richly traditional town of Eilenburg, Germany, PCW GmbH focuses on the development and production of tailor-made compounds.

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