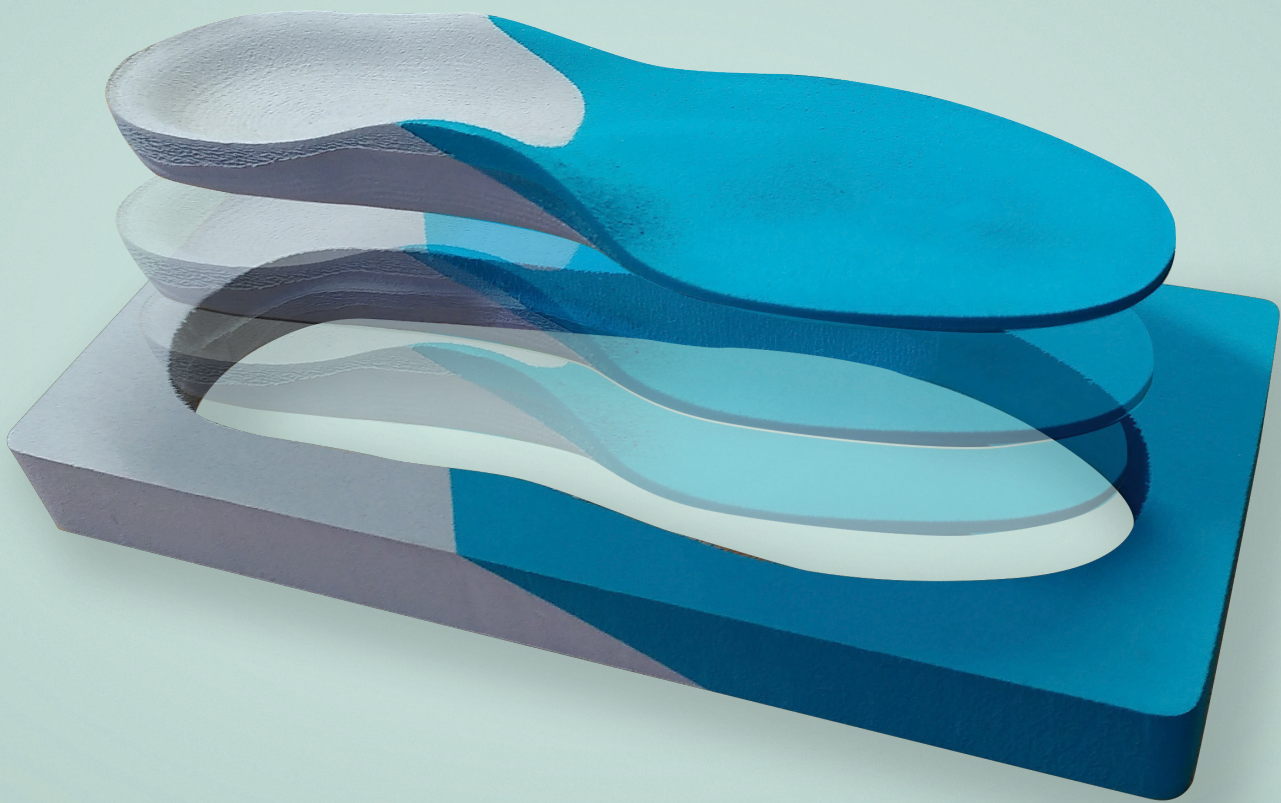


PAROPARTS

EVA MATERIAL



paroParts
paromed.de



paromed[®]

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QUALITY FROM THE BEGINNING

...because EVA isn't exactly EVA.

The composition of the various raw materials (compound) has an enormous effect on the recovery properties and durability of the material. The proportions of EVA and PE in particular have a significant influence on the quality and feel of the material.

We support you with regard to the provision of professional and high-quality care with an optimised product range: Our range includes blanks made from a wide variety of materials and material combinations in order to meet your care requirements in the best possible way. paroParts guarantee the best material properties, very good recovery properties and high stability, even at low thicknesses. All blanks are calibrated for double-sided cutting so that the defined height profile can be produced precisely on both sides.

A WIDE RANGE FOR PROFESSIONAL AND HIGH-QUALITY CARE!

Our large selection of blanks allows you to further diversify the realisation of the individually-developed insole profile. Various materials in different hardness levels and combinations open up excellent possibilities for you.

If you have requirements that are not covered by our standard range, we offer you the option of getting customised materials made exclusively for you. We can adjust the following properties for you:

- Elasticity
- Cushioning
- Anti-static equipment
- Electrical conductivity (ESD requirement for work safety shoes)
- Good mechanical processing / bonding / grinding / cutting
- Wide range of colours

We produce and supply other special materials and colours according to your wishes.

Toxicological and ecological properties can be found under: Material testing strategy and batch information or in the paromed MDR brochure



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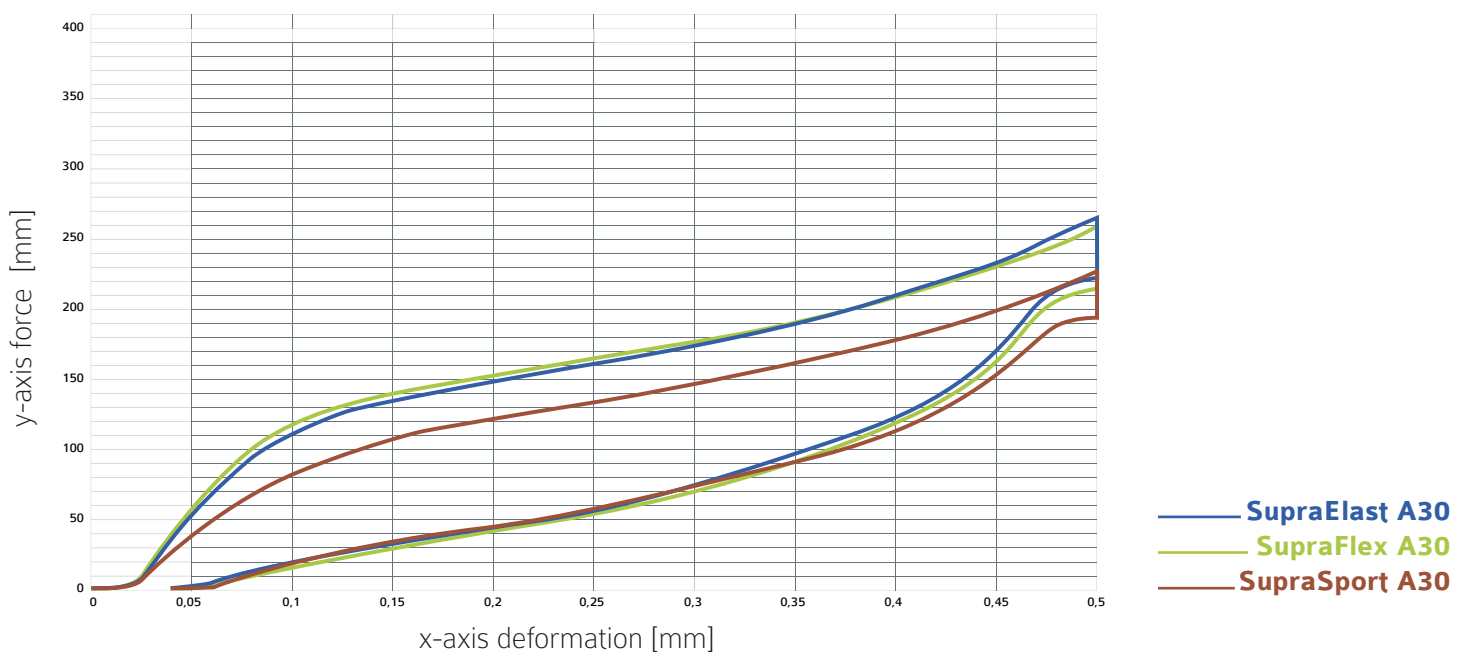
MATERIAL QUALITIES

The overviews on the following pages describe the difference between our material lines. The graphics show the various properties with regard to a compression set test.

The y-axis shows the force that can be absorbed, while the x-axis shows the resulting deformation.

A digital measuring box is used to record the force/time curve up to a 50% compression of the material sample at a constant feed rate. The tension is held for 15 seconds and the measuring box automatically moves back at the same speed, i.e. the compressive force exerted by the material is measured even when the tension is released, and the residual deformation remaining from the test can be determined at the end of the curve.

For interpretation, a curve that is as linear as possible is considered ideal. This allows you to calculate the ideal correction from the weight and Shore hardness.



SupraElast

SupraElast is the same material in the broadest sense, but with a higher gel character. The recovery properties differ from the Comfort line by approx. 10%.

SupraFlex

SupraFlex is a very highly flexible, highly resilient and elastic EVA with a light gel character, which is used in the heel and cushion area, but also over the entire insole. Due to the fine foam structure and the associated high density of the material, it is very resistant and durable.

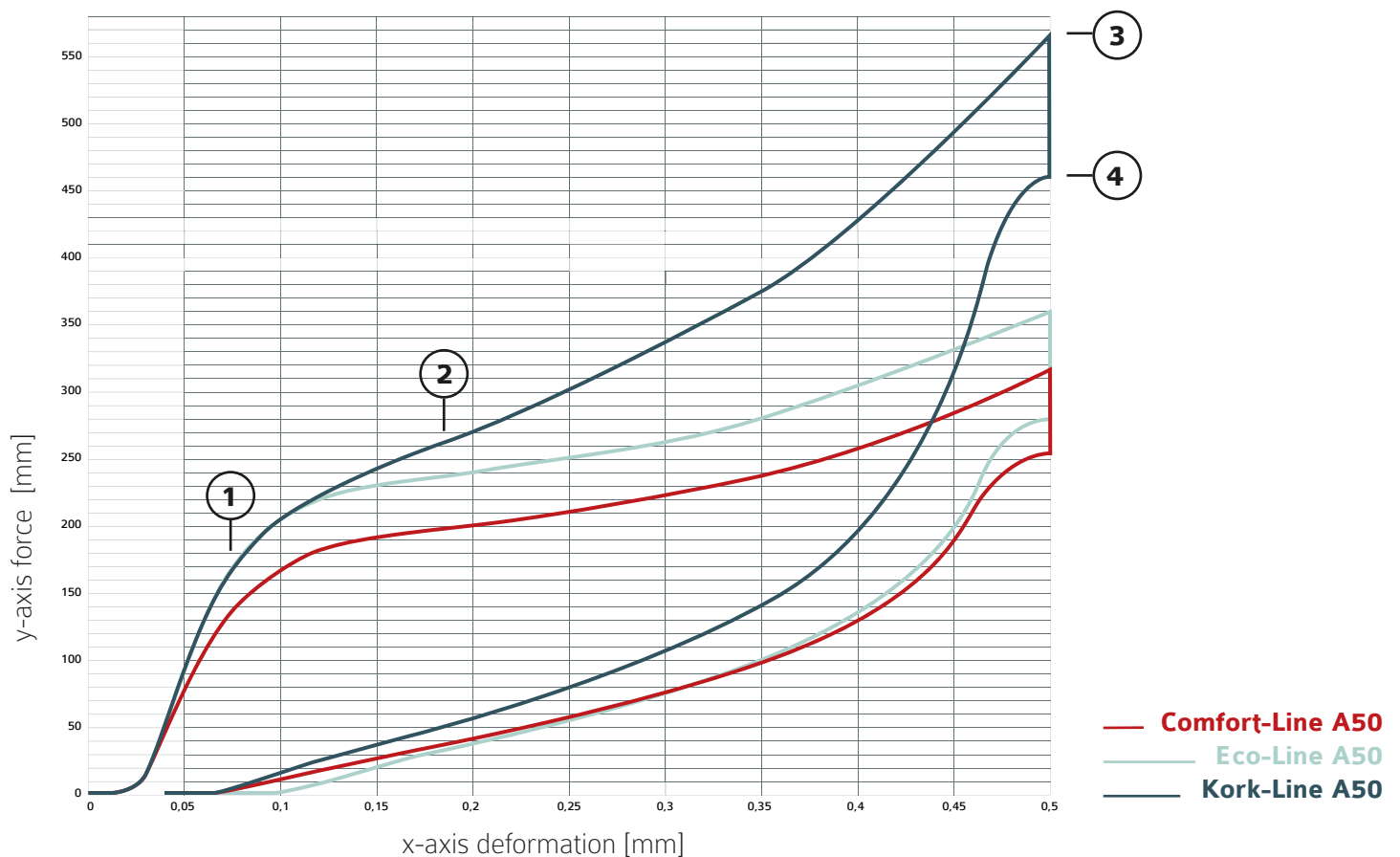
SupraSport

An innovative material for optimum care in dynamic sports applications. It combines the highest standards of maximum energy return, dynamics and elasticity, which ensures maximum dynamics over the entire step sequence.

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MATERIAL QUALITIES

- ① The ideal elastic range (force/strain are proportional up to this point and material deformation is still reversible) is left behind.
- ② Material reduces tension through flowing, force increases less than strain,
- ③ Peak force for 50% compression is reached and the compression is maintained. Material flows and relieves tension, this also represents the damping capacity of the material (point 4 = end point of relief under tension). The lower the stress relief, the more „elastic“ the behaviour of the material
- ④ After complete load removal of the material, a deformation occurs, which either recovers or remains. In these examples, the SupraSport pattern, for example, is almost completely reduced to zero compression, while a deformation remains in the Comfort pattern.



Comfort-Line

Highest-quality EVA blanks. They guarantee the best material properties, very good recovery properties and high firmness even at low thicknesses. This material also forms the basis for our „glabba“ collection.

Eco-Line

High-quality EVA blanks for an optimal price-performance ratio. The EVA-Eco Line also exhibits the positive properties of all paromed products at low thickness, but with slightly lower recovery and firmness.

Kork-Line

EVA meets natural materials. The high-quality combination of EVA and Kork (EVA Elasto Kork), which have very good workmanship properties, especially with high firmness and rigidity, even with low thickness (e.g. heel edge)

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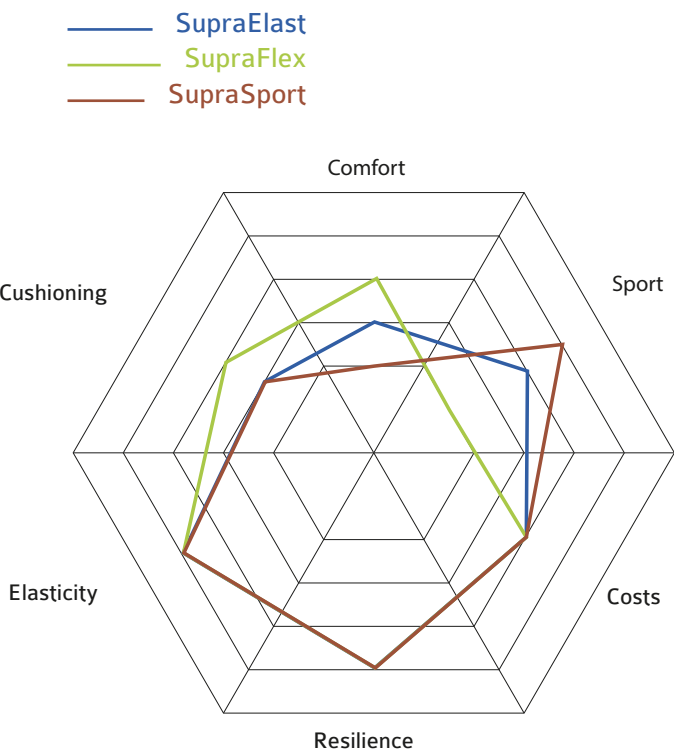
MATERIAL QUALITIES

WHICH EVA TYPE DO YOU NEED?

The following overview shows you what you need to know about our blanks and illustrates which EVA material is the best one for your needs.

ALL EVA MATERIALS AT A GLANCE

This comparison test presents our products, their strengths and their features.



	Comfort Line	Eco Line	Kork Line	Supra Elast	Supra Flex	Supra Sport
Comfort	●●	●	●●	●●	●●●	●
Sport	●●	●	●	●●●	●	●●●●
Resilience	●●●	●	●●	●●●●	●●●●	●●●●
Elasticity	●●	●	●●	●●●●	●●●●	●●●●
Cushioning	●●	●	●●	●●	●●●	●●
Costs	€€	€	€€€	€€€	€€€	€€€

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THE RIGHT SIZE FOR ALL CASES

paromed GmbH & Co.KG offers a complete range of products for professional and high-quality care, and is your competent companion right through to the perfect insole.

All-round service, high availability, fast delivery and reliable processing - that's what our partners can count on.



Blanks size 3:
Max. one-sided size: 45
Max. double-sided size: 45

* Symbolic image - Size 41



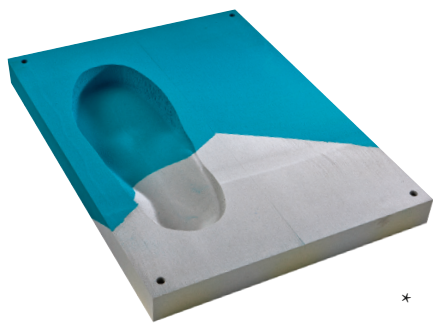
Blanks size 4:
Max. one-sided size: 43
Max. double-sided size: 43

* Symbolic image - Size 42



Blanks size 5:
Max. one-sided size 50
Max. double-sided size: 50

* Symbolic image - Size 45



Blanks size 6:
Max. one-sided size 54
Max. double-sided size: 54

* Symbolic image - Size 45

our sizes for optimal material usage

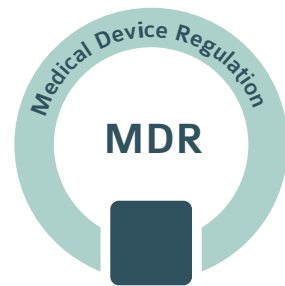
Sizes	Shapes	One-sided cutting	Double-sided cutting	
Size 1/2:	● oval	x		
Size 3:	● oval	x	x	on stock
Size 4:	▼ Trapezium	x	x	on stock
Size 5:	▼ Trapezium	x	x	on stock
Size 6:	■ Plate	x	x	on stock

Additional info:

We also produce blanks in your desired colour and to your specifications from a minimum order quantity of 350 pairs onwards. Please feel free to contact us in this regard. Quality from the beginning.

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GERMAN ORDINANCE ON MEDICAL DEVICESG



MATERIAL TESTING STRATEGY AND BATCH INFORMATION

In our laboratory, we not only check compliance with legal requirements regarding the contained additives or the maximum permissible concentrations of certain additives and cytotoxic properties of the compounds, but also the consistency of the composition of the processed materials and the resulting mechanical properties in the future. A dynamic material test is intended to supplement the limited informative value of a static Shore A value test.

Batch information equates to transparency at all levels. The batch numbers of the delivered blanks are listed in the delivery note with a QR code and a barcode. According to the new MDR, this batch information must be saved under your insole care project. You can process this data directly in paroManager, or alternatively, save it in your industry software under the relevant care process.

This closes the circle in two ways, firstly in terms of increased material safety, and secondly in terms of the sound further development of the material.

Our aim is to provide you with excellent equipment in the area of blanks as well, so that you, as our partner, can provide the best possible care for your customers.

- All our EVA products are latex-free.
- The materials in our blank
- products are tested for toxicologically relevant substances in accordance with the regulatory requirements
- They fulfil the basic requirements of Directive 93/42EEC
- In the field of orthopaedic technology, these products may be used for the manufacture of class-I medical devices with CE marking.



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