



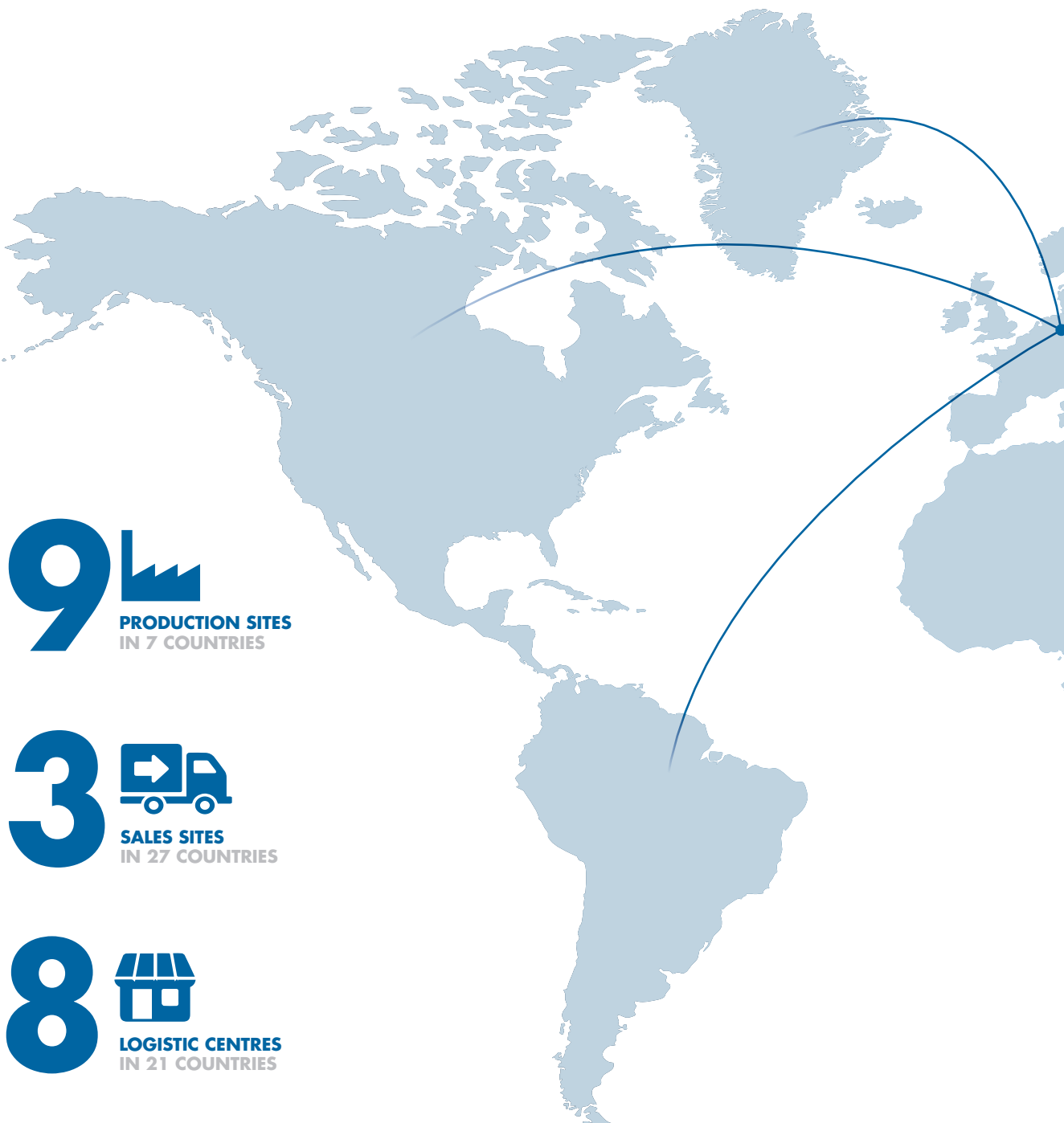
ELASTOMER SOLUTIONS COMPACT CATALOGUE



OUR EXPERIENCE

We have dedicated ourselves to innovation and progress in the manufacturing of X-ray protection materials for more than half a century. Our commitment to quality, innovation and safety has made us one of the leading manufacturers in the industry.

Thanks to continuous investments in research and development, our materials are in compliance with the highest standards and offer the best possible operational safety, while also being user-friendly and durable.

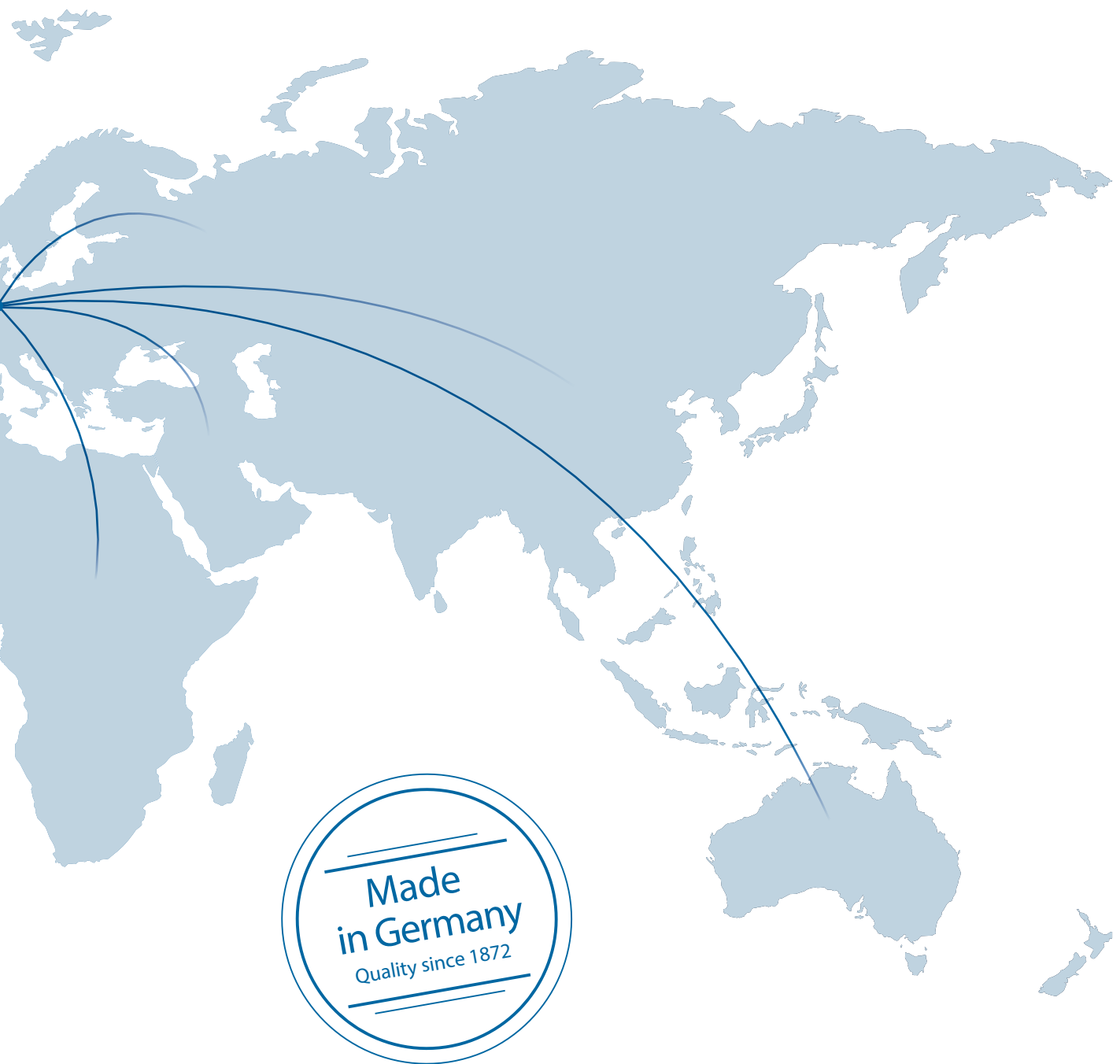


9 
PRODUCTION SITES
IN 7 COUNTRIES

33 
SALES SITES
IN 27 COUNTRIES

28 
LOGISTIC CENTRES
IN 21 COUNTRIES

Our experience pays for itself in the many applications where our X-ray protection materials are used. This includes personal X-ray protection, as well as use in the foodstuff industry and the use of X-ray equipment in almost all airports around the world. Future research and development on our X-ray protection materials will contribute to a safer and more efficient use of X-rays worldwide. Our commitment to quality and innovation will continue to drive us in the decades to come.



OPTIBELT ELASTOMER SOLUTIONS

– Individual solutions to meet the most exacting demands



At **Optibelt Elastomer Solutions** the focus lies squarely on your specific requirements. We develop tailored solutions that are a perfect match for your needs – from precisely crafted rolled products right up to new and innovative product developments to meet your specifications.

Our particular forte is developing our own rubber compounds. Our long experience and expertise enables us to create technically convincing materials that are also flexible in use – even our small series are manufactured efficiently and reliably.

Quality “Made in Germany” – tried and tested

Quality is our top priority. In our very own laboratories we use ultra-modern testing technologies to ensure that every product meets the very highest standards. Our machines ensure precise analysis and even distribution of metal components in our materials – in a seamless and dependable way.

Flexibility that will inspire you

Whether for last-minute requirements or complex projects – we react flexibly to your wishes and quote reliable delivery times even for urgent orders.

Elastomer Solutions – your partner for quality, precision and individual material solutions.

TABLE OF CONTENTS



TECHNICAL ELASTOMER SHEETING

PAGE 9



X-RAY PROTECTION – PERSONS

PAGE 21



X-RAY PROTECTION – BAGGAGE & CARGO

PAGE 27



X-RAY PROTECTION – FOOD

PAGE 31



optibelt SECURE SCAN

PAGE 34

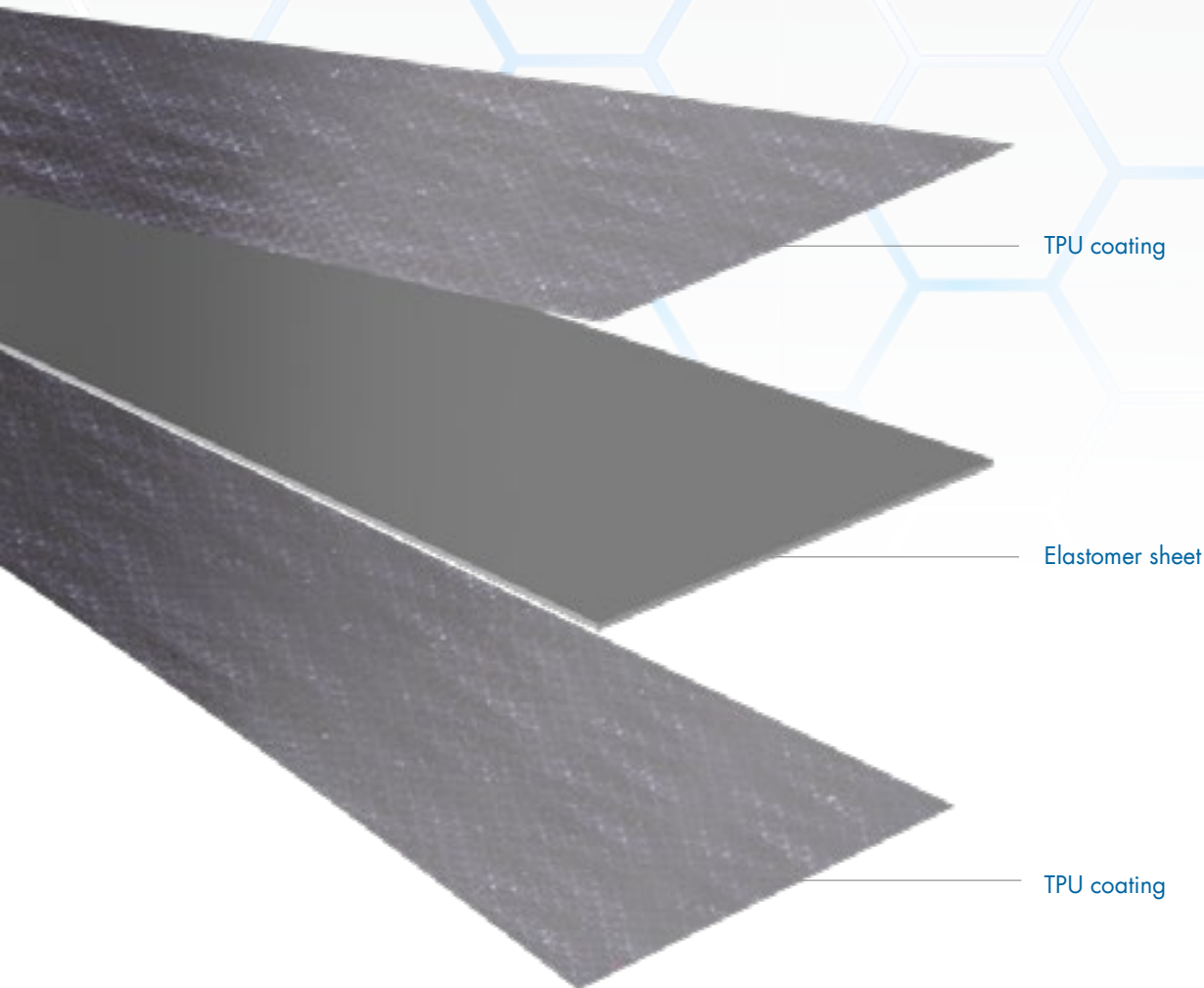


LEISURE & SPORTS

PAGE 37

IDEAL PROT

SHEETING DESIGN



PERFECTION

LONG LIFE MEETS INNOVATION – THE ADVANTAGES OF OUR NEW TPU-COATED VARIANT

Our new product generation sets new standards when it comes to durability and reliability. The extra-thin TPU coating on both sides promises an extended lifetime – far beyond current standards. But without compromising the proven performance you have come to expect from Optibelt products.

Rely on proven quality **“Made in Germany”** – developed for demanding specifications and tested to our tough standards. Samples are available now – just ask us.

PRODUCT PROPERTIES AT A GLANCE:

- ✓ Extended service life thanks to innovative TPU coating
- ✓ Clean handling – without the use of separating agents
- ✓ Proven performance with improved tear strength
- ✓ High wear resistance
- ✓ Flexible over a wide temperature range
- ✓ Resistant to oils, greases and many solvents
- ✓ Weather-resistant/UV-stable
- ✓ Resistant to high-energy radiation
- ✓ Excellent adherence to reactive foams, adhesives and many substrates
- ✓ Microbe-resistant – withstand bacteria, fungi and algae
- ✓ Hydrolysis-resistant – great stability in the presence of moisture and detergents







ELASTOMER SOLUTIONS
TECHNICAL ELASTOMER SHEETING



optibelt **ELASTOMIT**

TECHNICAL ELASTOMER SHEETING

Technical elastomer sheets are distinguished by the following features:

- A variety of grades in the 0.30 to 2.00 mm thickness range
- Available with a range of surfaces and structures; can also be supplied with special surface finishes on request
- Optionally available with fabric on one side, two sides or in the centre
- Can be supplied as strips or rolls

AREAS OF APPLICATION



AUTOMOTIVE

- Seals
- Air filters

MEMBRANE TECHNOLOGY

- Seals
- Pump diaphragm





WORK SAFETY AND PERSONAL PROTECTION

- High-voltage protection
- Working masks

HOUSEHOLD APPLIANCES

- Seals for a variety of applications (FDA-certified)
- Air filters in vacuum cleaners



GENERAL MACHINE ENGINEERING

- Seals
- Air filters
- Bellows

QUALITY DESCRIPTION	VERSION	COLOUR	HARDNESS	TENSILE STRENGTH	ELONGATION	SPECIFIC WEIGHT
Dimension			Shore A	N/mm ² (MPa)	%	g/cm ³
Tolerance			± 5	Minimum	Values	± 0.02
To DIN			53505	53504	53504	53479

ETHYLENE PROPYLENE DIENE (EPDM)

EPDM 750	A	Black	50	8	400	1.08
EPDM 756	K	Black	55	10	400	1.07
EPDM 796	A	Black	55	8	400	1.21
EPDM 760	A	Black	60	8	350	1.12
EPDM 760	K	Black	60	8	350	1.12
EPDM 797	A	Black	65	10	200	1.07
EPDM 770	A	Black	70	9	250	1.12

NITRILE BUTADIENE (NBR)

NBR 1807	A	Black	55	10	600	1.18
NBR 2056	A	Black	55	8	650	1.13
NBR 2056	K	Black	55	8	650	1.13
NBR 2070	K	Black	60	8	500	1.34
NBR 1534	A	Black	65	9	400	1.40
NBR 1534	K	Black	65	9	400	1.40
NBR 1570	A	Black	75	9	300	1.42

TEMPERATURE RESISTANCE	THICKNESS RANGE	APPLICATION EXAMPLES, PARTICULAR CHARACTERISTICS
°Celsius	(mm)	
Min. and max. values	from - to	
Continuous temperature		
-40 - +110	0.3 - 2.0	DBL 5571.10, DBL 5571.20, DBL 5571.30, VW 2.8.1. G 50, ASTM D 2000
-40 - +110	0.3 - 0.8	Special automotive quality SAE J 200 M3BA 510 A14, B13, C12, F14, Z1 and Z2; ASTM D 2000 4AA 514 A13, B13, C12, F17 and G21; Toyota (TSM) 1500 G - N 510Z
-40 - +125	0.3 - 2.0	Resistant to acids and alkalis, weather-resistant, resistant to UV radiation and ozone
-40 - +110	0.3 - 2.0	GME 60258, DBL 5557.30, DBL 5571.10, DBL 5571.20, DBL 5571.30
-40 - +110	0.3 - 0.8	GME 60258, DBL 5557.30, DBL 5571.10, DBL 5571.20, DBL 5571.30
-40 - +125	0.3 - 2.0	High level of temperature resistance, peroxide cured, excellent compression set level (based on DIN 53517 [22 hours, +150°C, deformation 25%]) 20.8% residual compression set value, resistant to hot air up to +150°C
-40 - +110	0.3 - 2.0	Seals
-35 - +120	0.3 - 2.0	According to VW 2.8.1. A, T; low sulphur
-35 - +120	0.3 - 2.0	High grade NBR quality, low sulphur
-35 - +120	0.3 - 0.8	High grade NBR quality, low sulphur, low shrink
-35 - +90	0.3 - 0.8	According to VW 2.8.1. G 60, 50180 4.1 + 4.2.1 + 4.3
-35 - +100	0.3 - 2.0	NBR standard grade, DBL 5563.32, VW 2.8.1. A; low sulphur
-35 - +100	0.3 - 0.8	DBL 5563.32; low sulphur
-25 - +100	0.3 - 2.0	Tank seals, GME 60258, GME 60255, BMW N 60200.05513

QUALITY DESCRIPTION	VERSION	COLOUR	HARDNESS	TENSILE STRENGTH	ELONGATION	SPECIFIC WEIGHT
Dimension			Shore A	N/mm ² (MPa)	%	g/cm ³
Tolerance			± 5	Minimum	Values	± 0.02
To DIN			53505	53504	53504	53479

NATURAL RUBBER (NR)

NR/IR 401	A	Cream	35	13	750	0.97
NR 340	A	Black	40	17	550	1.08
NR/IR 409	A	Black	40	13	750	0.97
NR 829	A	Black	40	14	600	1.10
NR 320	A	Grey	45	16	600	1.11
NR 325	A	Red-brown	45	16	600	1.11
NR 330	A	Transparent	45	16	600	1.08
NR 826	A	Red	45	> 15	600	1.04
NR 828	A	Grey	65	7	400	1.36
NR 828	K	Grey	65	7	400	1.36
NR 890	K	Black	65	10	400	1.26

POLYCHLOROPRENE (CR)

CR 4008		Black	55	Warp: 700 N/50 mm Weft: 850 N/50 mm	Warp: 18.5 Weft: 12	1.33
CR 470	A	Black	60	12	300	1.34
CR 463	A	Orange	65	12	400	1.44
CR 475	A	Black	65	9	350	1.55
CR 475	K	Black	65	12	400	1.43
CR 480	A	Black	65	Warp: 700 N/50 mm Weft: 700 N/50mm	Warp: 9 Weft: 19	1.52
CR 465A	A	Black	65	12	400	1.44
CR 480	A	Black	65	9	350	1.53

Version "A"

These are high-quality Auma products with a glassy surface on one side and a matt surface on the other, vulcanised in an **optibelt ELASTOMIT** rotational process.

Version "K"

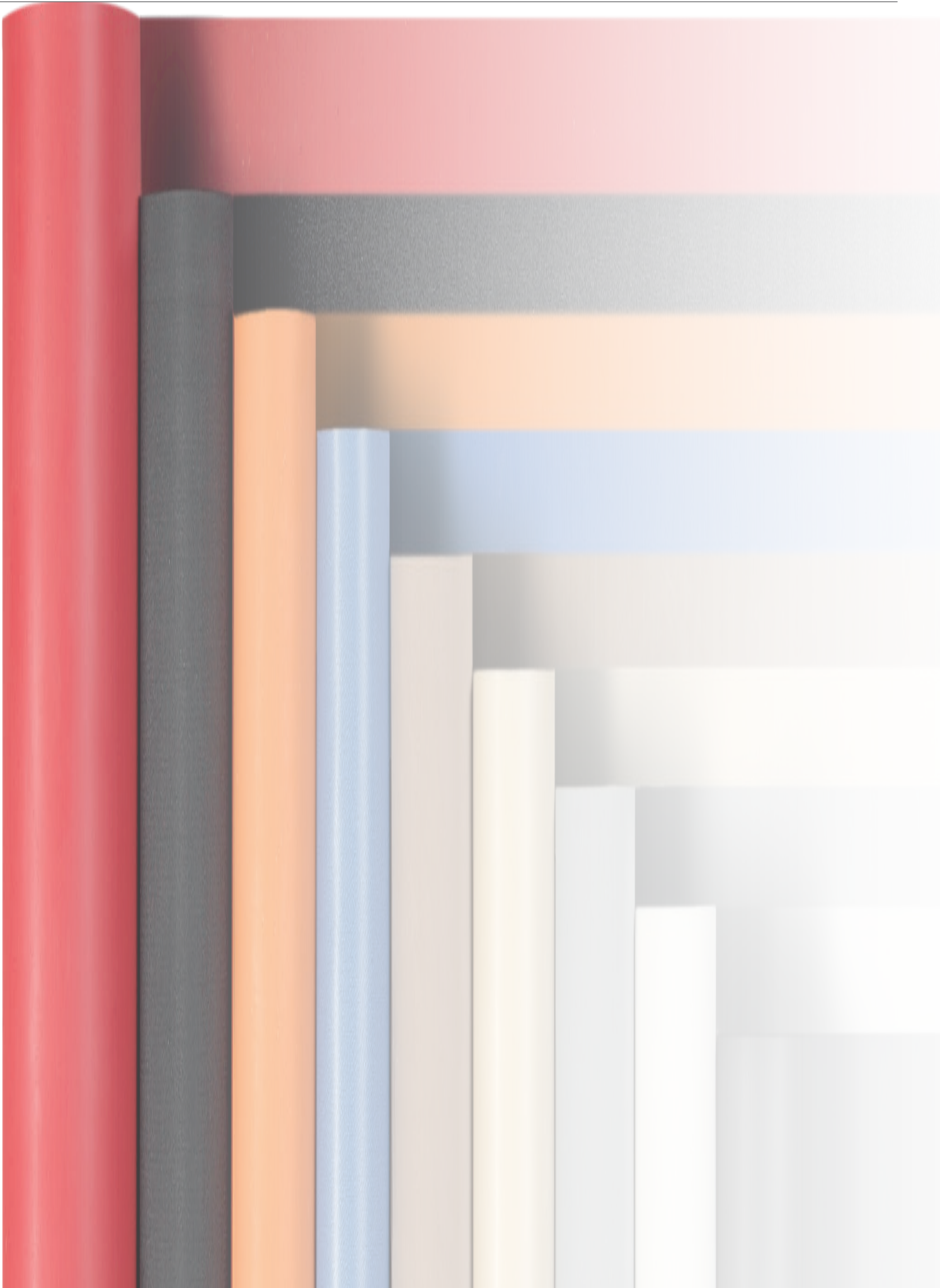
This version has a smooth surface on both sides. The vulcanisation process is carried out in autoclaves (tanks). Through this special vulcanisation process, we are able to obtain a **"low-shrink"** grade (in both lengthwise and traverse directions) with excellent performance during the die-cutting process. The values measured on the manufactured product – the tear strength and tear propagation strength as well as the elongation at break – are reduced by approximately one third, depending on the process, compared to the "A" version.

TEMPERATURE RESISTANCE	THICKNESS RANGE	APPLICATION EXAMPLES, PARTICULAR CHARACTERISTICS
°Celsius	(mm)	
Min. and max. values	from - to	
Continuous temperature		
–40 - +70	0.3 - 2.0	Allergen-free quality, resistant to acids and alkalis
–40 - +90	0.3 - 2.0	Sulphur-free, heat-resistant
–40 - +70	0.4 - 2.0	In version "C" for clothing
–40 - +70	0.3 - 2.0	Seals
–40 - +70	0.3 - 2.0	Insulators, seals, compression bandages
–40 - +70	0.3 - 2.0	Vacuum plates
–40 - +70	0.3 - 2.0	Membranes for dust masks, vacuum plates
–40 - +70	1.0 - 5.0	Belt support, good abrasion resistance
–30 - +60	0.3 - 0.8	Resistant to acids and alkalis
–40 - +60	0.3 - 0.8	Dust bag seals
–40 - +60	0.3 - 0.8	NR standard grade
–30 - +90	From 0.8	Resistant to acids, alkalis, oils and greases – Bellows
–30 - +100	0.3 - 2.0	Talcum-free design electrically conductive (contact resistance ≤ 8000 Ohm)
–30 - +90	0.5 - 2.0	VDE insulation plate, high dielectric strength, ozone-resistant
–35 - +90	0.3 - 2.0	High grade CR grade – Bellows
–35 - +90	0.3 - 0.8	High grade CR grade
–30 - +90	From 0.8	Resistant to acids, alkalis, oils and greases – Bellows
–25 - +100	0.3 - 2.0	Available with fabric insert and cover
–30 - +90	–	Bellows

Information on the degree of hardness

The physical values that are itemised above for both the **"A"** and **"K"** versions were established on DIN-compliant test specimens. The values measured on the manufactured product could vary from the details that were measured by us in the laboratory according to DIN. The DIN test specimens for the tear strength and elongation at break are 2 mm thick, while 6 mm is required for testing the Shore A hardness and compression set (CS).





SPECIAL VERSIONS

"Auma" goods (design "A") are available with a fabric lining (starting from a thickness of 0.8 mm). Available with one-sided fabric or double-sided fabric, as well as one-sided or double-sided fabric texture. All "Auma" grades are NR/NBR based and are available with a surface finish (design "C"). This special grade is powder-free and also very low-friction. It is also possible to affix different release agents to the surface.

We would be pleased to develop further special grades and new applications jointly with you at any time upon request. The standard effective width of our elastomer sheeting is 1,200 mm. Our elastomer sheeting can also be delivered on request in strips with widths starting from 40 mm.

DIMENSION TOLERANCES

Our standard tolerances for vulcanised rubber foils (flat on both sides and without inlay) deviate from the dimension tolerances according to DIN 7715, Part 5.

THICKNESS RANGE	STANDARD TOLERANCES
from 0.30 mm - 0.60 mm	± 0.10 mm
over 0.60 mm - 1.00 mm	± 0.15 mm
from 1.00 mm - 1.50 mm	± 0.20 mm
over 1.50 mm - 2.00 mm	± 0.25 mm

Depending on the material thickness and grade, restricted special tolerances and colours may also be possible in consultation with us.

optibelt ELASTOMIT elastomer sheeting is characterised by close thickness tolerances on the finished product. It is used in applications such as the automotive industry, household appliances, and also in the electrical industry and general machine construction, as well as in workplace protection.

ELASTOMER SELECTION AID

	Material abbreviation	Hardness range (Shore A)	Temperature resistance	COMPRESSION SET *		RESISTANCE TO (MEDIA)				
				at high temperatures	at low temperatures	Petrol/gasoline	Mineral oil	Water	Alkalis	
Natural rubber/ polyisoprenes	NR/IR	30-90	- 60 + 80	○	●	○	○	◐	●	
Styrene butadiene rubber	SBR	30-90	- 50 +100	◐	◐	○	○	◐	●	
Chloroprene rubber	CR	30-90	- 40 +100	◐	◐	●	●	◐	●	
Nitrile rubber	NBR	30-90	- 30 +100	◐	◐	●	●	◐	○	
Butyl rubber	IIR	30-80	- 40 +120	●	◐	○	○	●	●	
Hydrogenated nitrile rubber	HNBR	40-90	- 30 +160	●	◐	●	●	◐	○	
Ethylene propylene diene monomer rubber	EPDM	20-90	- 50 +130	◐	◐	○	○	●	●	
Chlorsulphonated polyethylene	CSM	40-90	- 20 +120	◐	◐	●	●	◐	●	
Polyacrylate and ethyl acrylate rubber	ACM/ AEM	50-90	- 25 +150	◐	◐	●	●	○	○	
Epichlorhydrine rubber	CO/ ECO	40-90	- 40 +140	◐	◐	●	●	◐	●	

*Compression set (CS)

	RESISTANCE TO (MEDIA)			MECHANICAL PROPERTIES (AT ROOM TEMPERATURE)					
	Acids	Light	Weathering and ozone	Tensile strength	Breaking strain	Tear strength	Rebound elasticity	Abrasion resistance	
	●	●	●	●	●	●	●	●	○
	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●
	●	●	○	●	●	●	●	●	●
	●	●	●	●	●	●	○	●	●
	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	●	●	●
	●	●	●	●	●	●	○	●	●
	●	●	●	●	●	●	○	●	●
	○	●	●	●	●	●	●	●	●

● = excellent ● = good suitability ○ = not suitable





ELASTOMER SOLUTIONS

X-RAY PROTECTION – PERSONS





- optibelt ELASTOMIT-R standard lead X-ray protection material
- High flexibility through the use of natural rubber
- High wearing comfort
- Safety certified according to the highest standards
- Standard conformity: IEC 61331-1 mod BBG (50-150 kV)



- optibelt ELASTOMIT-R lightweight lead X-ray protection materials
- High wearing comfort and flexibility thanks to the use of a rubber-based quality
- Reduced surface weight thanks to lead substitute
- Standard conformity pursuant to IEC 61331-1 mod BBG (50-110 kV) and ASTM F2547-06 (80-100 kV)



- Standard lead-free X-ray protection material optibelt ELASTOMIT-R
- Excellent flexibility
- X-ray protection material with the lowest surface weight, tested in accordance with current standards
- Standard conformity pursuant to IEC 61331-1 mod BBG (50-110 kV) and ASTM F2547-06 (80-100 kV)



IN ACCORDANCE WITH ASTM F2547-06

MATERIAL	LE (mm Pb)	MIN. WEIGHT	ATTENUATION	
			80 kV	100 kV
Lightweight lead	0.25 mm Pb	2750 g/m ²	91%	85%
	0.35 mm Pb	3750 g/m ²	95%	90%
	0.50 mm Pb	5250 g/m ²	97%	95%
Lead-free	0.25 mm Pb	2690 g/m ²	92%	85%
	0.35 mm Pb	3760 g/m ²	95%	92%
	0.50 mm Pb	5380 g/m ²	97%	94%

* Information on additional equivalent Pb values in the range of 0.125-1.00 mm Pb available on request.

THE BEST WAY TO X-RAY

www.optibelt.com/elastomer-solutions



IN ACCORDANCE WITH IEC 61331-1 mod BBG

MATERIAL	LE (mm Pb)	MIN. WEIGHT	ATTENUATION						
			50 kV	60 kV	70 kV	90 kV	110 kV	130 kV	150 kV
Lead-containing	0.25 mm Pb	3150 g/m ²	> 99%	97%	96%	92%	89%	86%	83%
	0.35 mm Pb	4450 g/m ²	> 99%	99%	98%	95%	93%	92%	90%
	0.50 mm Pb	6300 g/m ²	> 99%	99%	99%	97%	96%	95%	93%
Lightweight lead	0.25 mm Pb	3050 g/m ²	> 99%	97%	96%	91%	87%	83%	79%
	0.35 mm Pb	4200 g/m ²	> 99%	> 99%	98%	95%	92%	89%	86%
	0.50 mm Pb	5850 g/m ²	> 99%	> 99%	> 99%	97%	95%	93%	91%
Lead-free	0.25 mm Pb	2850 g/m ²	> 99%	97%	95%	91%	86%	92%	79%
	0.35 mm Pb	4050 g/m ²	> 99%	98%	97%	94%	90%	87%	84%
	0.50 mm Pb	5760 g/m ²	> 99%	> 99%	> 99%	97%	95%	93%	91%
Low cost lightweight lead	0.25 mm Pb	3050 g/m ²	98%	97%	96%	91%	86%	82%	79%
	0.35 mm Pb	4180 g/m ²	> 99%	> 99%	98%	95%	91%	89%	86%
	0.50 mm Pb	6050 g/m ²	> 99%	> 99%	> 99%	97%	95%	93%	90%

THE BENEFITS OF X-RAY PROTECTION MATERIALS

ON RUBBER BASIS

FLEXIBILITY

- Due to natural rubber basis
- Low material thickness



STRETCH

- Of min. 350%
- High rebound elasticity



LOW HARDNESS

- Of approx. 60 Shore A
- Thus higher flexibility



MORE SUSTAINABLE

- Natural raw material
- Recyclable



PREMIUM QUALITY, MAXIMUM SAFETY AND SUSTAINABLE X-RAY PROTECTION

optibelt ELASTOMIT-R personal X-ray protection products are subjected to numerous internal and external tests. Test processes include external tests such as controlling the shielding properties according to IEC 61331-1:2014 mod BBG and ASTM F2547-06 or different durability tests from certified testing institutes.

The material is continuously subjected to additional tests at every single step, from the raw material right up to the finished product. In a final step, **100%** of all X-ray protection films – with a Pb equivalent value of up to 0.35 mm Pb – are tested for safety-relevant **flaws** by means of an **in-house hi-scan X-ray tunnel machine**. This allows us to guarantee that we provide our customers with safe and flawless equipment.

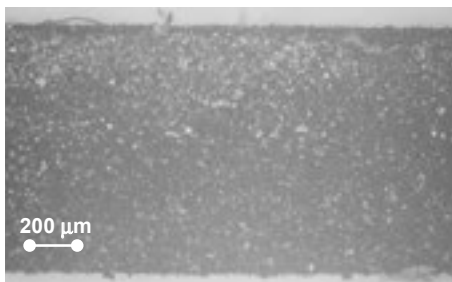
To ensure sustainability and allow valuable raw materials such as metals to be recovered, X-ray protection material can be heat recycled.



HOMOGENEITY OF OUR MIXING RATIO COMPARED TO OUR COMPETITORS

Based on the latest technologies and machinery, we are able to mix raw materials in an optimal and homogeneous way.

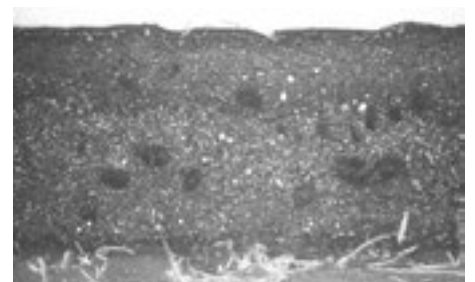
Microscopic image of the cross-sectional profiles of thin X-ray protective films



optibelt **ELASTOMIT**



Competitor 1



Competitor 2

GENERAL INFORMATION

STANDARD FORM OF SUPPLY

- Useful width 1200 mm
- Uncut edges
- Standard roll length

0.125 mm Pb	–	40 m
0.175 mm Pb	–	30 m
0.25 mm Pb	–	20 m

Other roll widths and lengths available on request.

SPECIAL DESIGNS

- Available with rubber top surface on one or both sides
- Available with fabric inserts and covers







ELASTOMER SOLUTIONS

X-RAY PROTECTION – BAGGAGE & CARGO



optibelt **ELASTOMIT**

X-RAY PROTECTION FOR BAGGAGE AND CARGO

Thousands of pieces of luggage are handled at airports every day. This places special demands on the materials used in baggage handling. Our products serve as protective curtain material in X-ray inspection systems for the detection of cargo and baggage at airports.

Our particularly robust products are characterised by their extraordinary gliding properties and flexibility and are therefore tailor-made for the high demands of baggage and cargo handling. Optibelt quality thus contributes to smooth operations at airports.

optibelt **ELASTOMIT-R 1433038A** WITH REINFORCING FABRIC PLY



Natural rubber/
butadiene rubber



Black



From 0.25 mm Pb



min. 4280 g/m²



Heavy-duty
material



-40 °C
to +70 °C

APPLICATIONS

This X-ray protection sheet is specially designed for the shielding of X-rays in X-ray inspection systems which are used for freight goods and luggage.

ADVANTAGES AND CHARACTERISTICS

- Excellent flexibility
- Good dynamic load in combination with a remarkable tensile strength
- High abrasion resistance
- Good slippage
- Lead rubber core with fabric inlay and rubber top surface on both sides
- At the request of customers, a special surface treatment (version "C") can provide enhanced slippage.

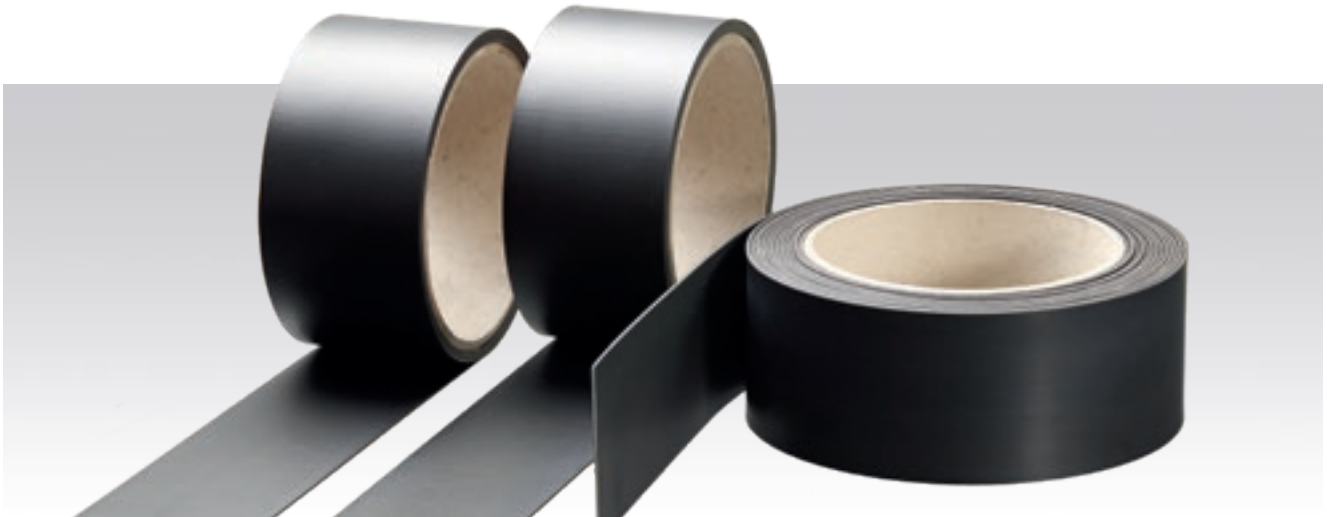
STANDARD X-RAY PROTECTION



optibelt ELASTOMIT standard X-ray protection grades are made from a lead rubber compound (rubber-based). The protective lead is added to a special form of rubber matrix.

They are also available as a **single-layer material** and in various equivalent Pb values ranging from 0.125 mm to 1.00 mm Pb (according to national and international X-ray standards). The sheets can be produced to customers' requirements with fabric inserts and covers as well as different covering layers.

LEAD-FREE X-RAY PROTECTION

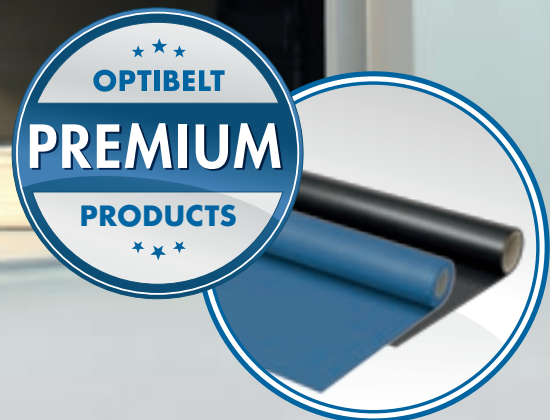


In lead-free rubber-based grades, lead is replaced entirely by other suitable metals with a similar specific weight. An identical shielding effect is obtained as a result.





ELASTOMER SOLUTIONS
X-RAY PROTECTION – FOOD



optibelt **ELASTOMIT**

X-RAY PROTECTION – FOOD

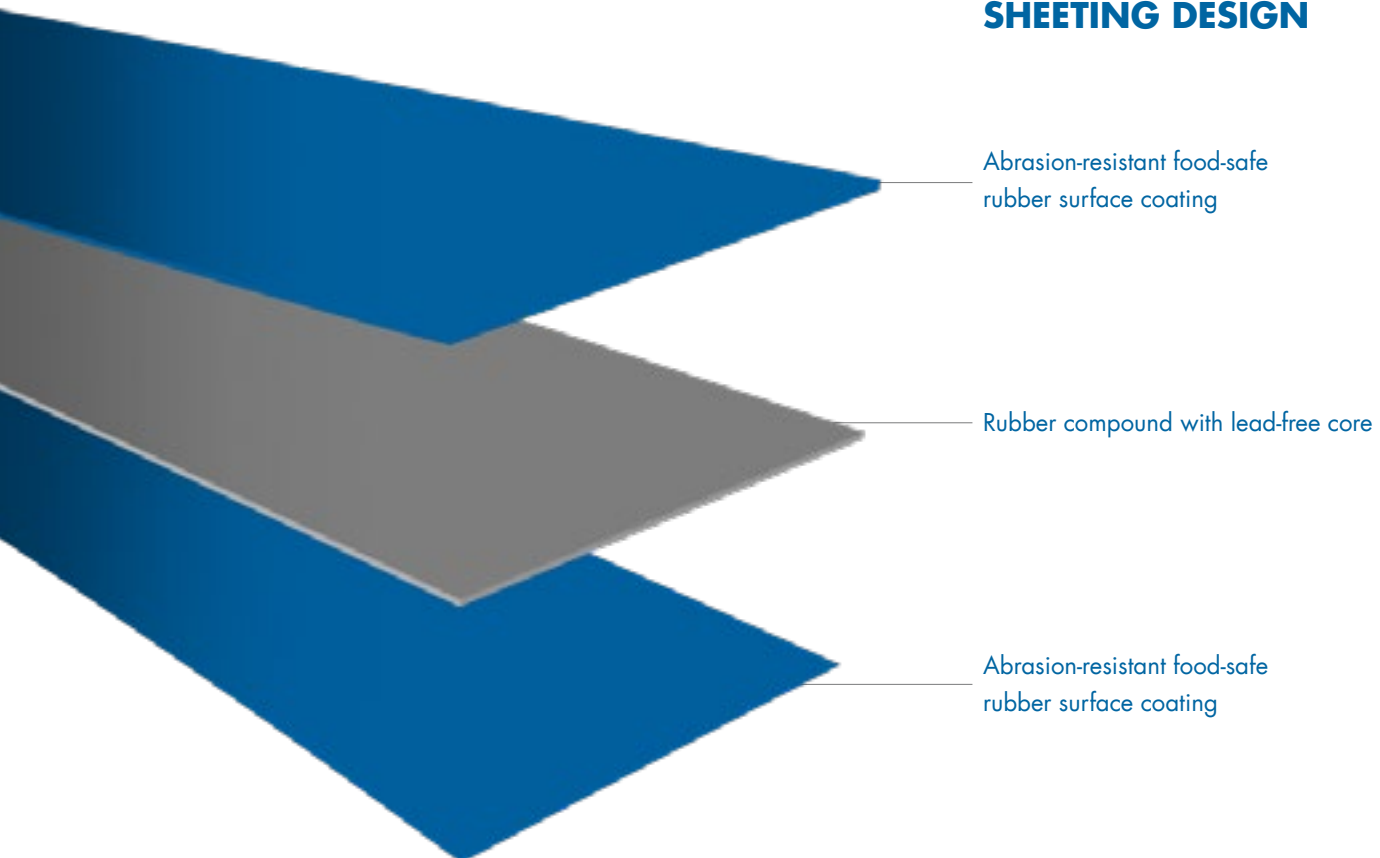
HIGHEST SAFETY FOR THE FOOD INDUSTRY – WITH CERTIFIED X-RAY PROTECTION FROM OPTIBELT

Safety is the top priority in the food industry. In order to meet the high demands of the food industry, Optibelt offers lead-free protective curtain materials for X-ray systems which are used, among other things, in the detection of foreign bodies in food.

Some qualities were specially developed for direct contact with unpacked goods and meet the most stringent hygienic standards. Our materials are not just high-performers when it comes to radiation protection but are also FDA- and BFR-certified – which makes them ideally suited for use in sensitive production environments.

Optibelt combines reliable X-ray protection with uncompromising food safety – for maximum quality and confidence in your processes.

SHEETING DESIGN



optibelt ELASTOMIT-R FDA 116A

LEAD-FREE



Rubber



Blue



0.125 mm Pb
0.250 mm Pb



min. 2375 g/m²
min. 3850 g/m²



FDA + BFR



−40 °C
to +70 °C

APPLICATIONS

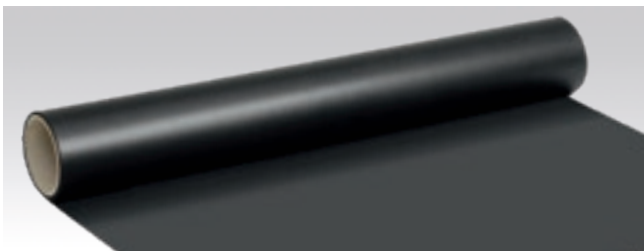
This product is specially designed for curtains used with X-ray inspection systems for packaged and unpackaged goods in food production.

ADVANTAGES AND CHARACTERISTICS

- FDA compliance test according to 21 CFR 177.2600 (e) and 177.2600 (f) and BFR 1935
- Highly abrasion-resistant rubber coating on both sides
- Good temperature resistance
- Excellent flexibility
- Unrivalled abrasion resistance due to extremely low-friction surface
- Chemically treated for enhanced slippage / powder-free
- The lead equivalent value is adjusted to comply with DIN 61331-1 (50-110 kV).

optibelt ELASTOMIT-R FDA 115A

LEAD-FREE



Rubber



Black



0.125 mm Pb
0.250 mm Pb



min. 2000 g/m²



FDA



−40 °C
to +70 °C

APPLICATIONS

This product is specially designed for curtains used with X-ray inspection systems for packaged goods in food production.

ADVANTAGES AND CHARACTERISTICS

- FDA compliance test according to 21 CFR 177.2600 (e) and 177.2600 (f)
- Good temperature resistance
- Excellent flexibility
- High abrasion resistance ensured by extremely smooth surfaces
- Coated on both sides
- With reinforcing fabric inlay
- The lead equivalent value is adjusted to comply with DIN 61331-1 (60-125 kV).

optibelt **SECURE SCAN**

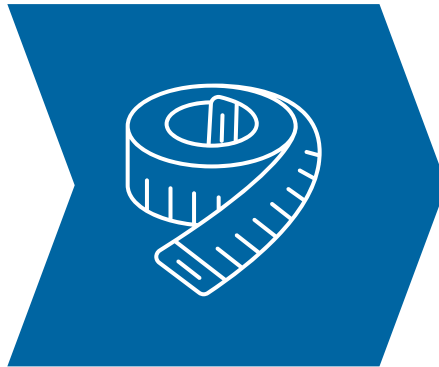
YOUR CURTAIN, YOUR DIMENSIONS – OUR SERVICE

optibelt SECURE SCAN offers you a service that will simplify and accelerate your processes. You simply select one of our high-quality materials, state your specific dimensions – and we supply the finished curtains, ready for immediate installation in your machine. Very simple, very precise!

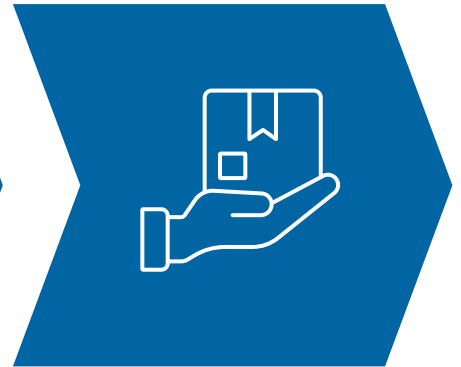
HOW DOES IT WORK?

**Select a material:**

Select the material of your choice that meets your specific requirements.

**Specify the dimensions:**

Let us know the height and width, and the fastening details.

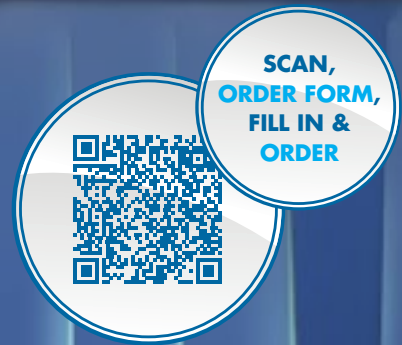
**Receive your curtain:**

You receive the finished product, ready to use in your machines.

X-RAY PROTECTION AS A SUBSCRIPTION*

– flexible, cost-effective, reliable

*Secure your subscription for X-ray protection curtains now – with bulk discounts, scheduled supplies, and reliable deliveries to save you costs and ensure maximum efficiency in your operations.



ADVANTAGES FOR YOU

Made to measure:

Perfectly cut to your specified dimensions.

High precision: Ultra-modern cutting technology guarantees dimensional accuracy.

Resource conserving:

State-of-the-art technology reduces waste.

Original quality:

Our goods are the genuine article.

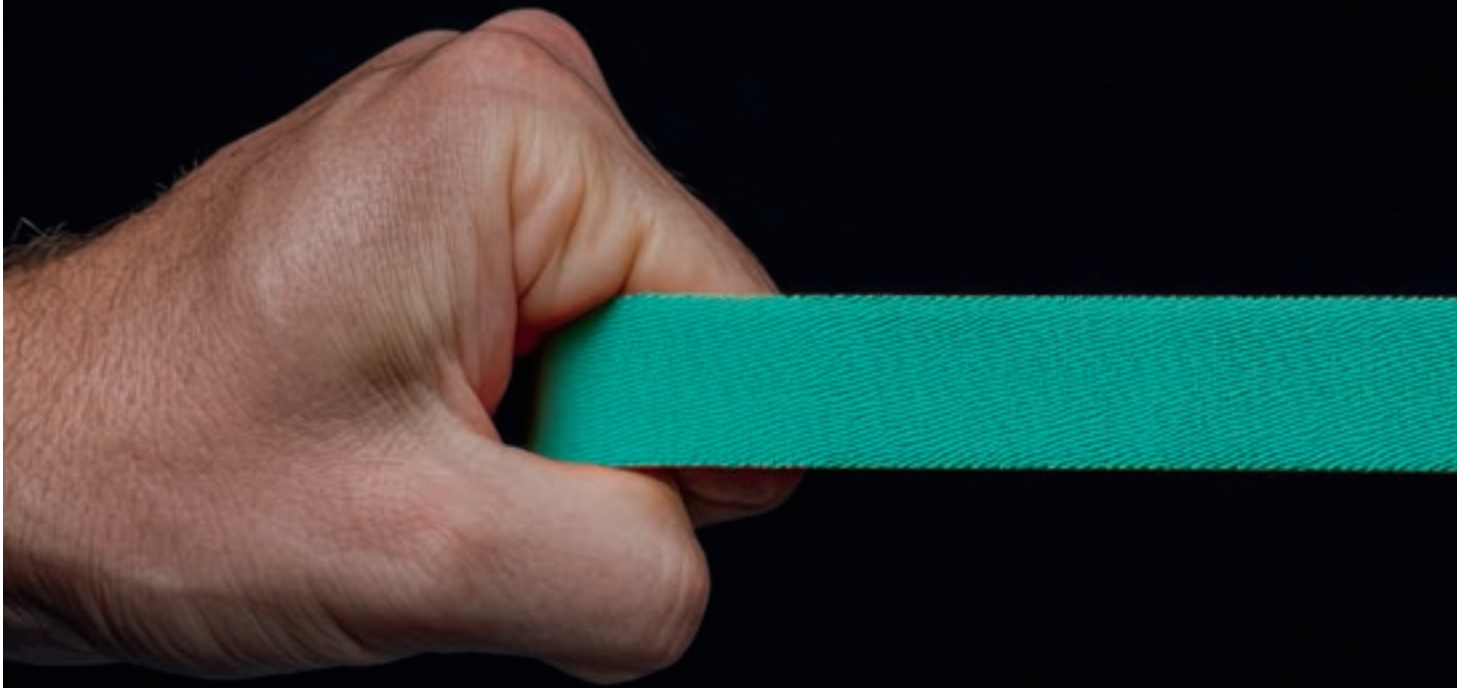
Time savings:

No effort on your part for cutting to size.

Ready for immediate use:

No further processing steps required.

Quick availability: Available from stock, to ensure short delivery times and quick replacements.



FITTER . BETTER . STRONGER

ELASTOMER SOLUTIONS LEISURE & SPORTS



optibelt **ELASTOMIT**

FITNESS BANDS

OUR TRENDSETTER IN THE FITNESS SECTOR – DESIGN YOUR INDIVIDUAL FITNESS BAND WITH US

For over 50 years now, Optibelt has been an expert when it comes to fitness bands.

Our Optibelt fitness bands are made of natural rubber – a natural raw material that can be recycled. Our bands are manufactured exclusively in Germany to the very highest quality standards.

Besides numerous design variants, we also produce individual solutions to customers' specifications – such as the DEUSER BAND, which is sold through our sales partner Deuser GmbH. Since 1967, this training band has been a byword for high elasticity and resistance. It has proven its worth in targeted applications in professional and recreational sport.

OUR PARTNERS:

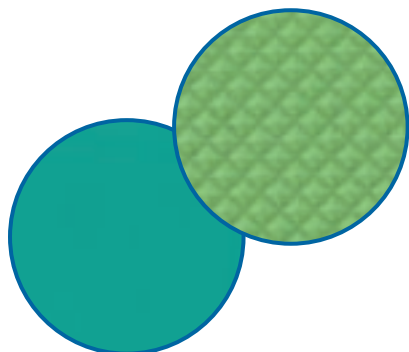


Available here:
www.deuser-sports.de

COLOUR

Optibelt offers customers a wide range of colours to choose from. The band can be designed to have one or two colours.





SURFACE

Our standard fitness bands are produced with a patterned fabric surface on one side and a smooth surface on the other. This gives the band good grip. There is also the option of a smooth surface on both sides.

THICKNESS AND WIDTH

The tensile force of the band can be adjusted by altering the band thickness or width. The customer can choose from several options. Thin or narrow bands are more suitable for recreational use. Wide or thick bands are often used in professional sports. The band can be produced in thicknesses of up to about 6 mm.



GUMMETTE DESIGN

The bands can be branded individually to meet customers' wishes. In this case we work with special gummettes. There are practically no limits to creativity. Company logos, for example, can be printed on the band in up to 5 colours. Various other symbols and drawings are also possible, of course.

QR CODE

A QR code can also be printed on the band. Users of this band can scan this QR code with their mobile phone and will be redirected, for instance, to the customer's website or a site providing exercise instructions.



SUPPORT YOU CAN COUNT ON



If you have any questions regarding our service, products or materials, our team is always ready to give you comprehensive advice. We are happy to provide support during the selection of suitable products, the specification of precise dimensions, and throughout the entire ordering process. Don't hesitate to contact us – we are there to assist you and to resolve your concerns quickly and dependably.



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REGISTER FOR NEWSLETTER

Stay in the know at all times – with our newsletter!

Learn everything you need to know about product innovations, trade fair dates and other current information about Optibelt Elastomer Solutions.

Just scan the QR code and register now!



STORAGE INSTRUCTIONS

Our materials will convince you with their excellent workmanship and long service life. This is particularly true of our X-ray protection products, whose exceptional quality stands out markedly from rival products on the market. Proper storage is indispensable to maintain these performance characteristics over a long period of time.

Please pay attention to the following basic rules:

- Store in a cool, dry and weatherproof place
- Temperature range: $-10\text{ }^{\circ}\text{C}$ to $+25\text{ }^{\circ}\text{C}$
- Maximum humidity: 65% relative humidity
- Avoid exposure to the direct influence of oxygen, ozone, light and heat
- Store according to DIN 7716

Improper storage conditions can adversely affect the physical properties of the material – such as by hardening, softening or the formation of cracks. This can considerably impair the safety and functioning of the products.

Please scan the QR code for more information on storage, handling and processing and to directly access the detailed brochure on our website.

You can also access the technical data sheet (TDS) and the safety data sheet (SDS). These contain detailed information on material properties, processing details and safety-relevant information.

**Storage,
handling
and
processing**



SUSTAINABILITY AND QUALITY

The Arntz Optibelt Group is committed to its social and ecological responsibility within the scope of its worldwide business activities – a sense of tradition and generational compatibility are evident throughout the company's history, which now goes back more than 150 years.

The quality and continuous development of its processes and products, as well as ensuring compliance with the DIN EN ISO 9001 and 14001 certified quality and environmental management standards and the DIN EN ISO 50001 energy management system, are of central importance to the Arntz Optibelt Group.

It goes without saying that we are committed to complying with all the statutory provisions and our own more stringent regulations relating to environmental protection.

High-quality products, technologically advanced solutions and close personal ties between our company and our business partners help to improve the level of satisfaction of all parties involved.

We take responsibility for the sustainability and environmental compatibility of our products and services. We are committed to using environmentally-compatible, advanced and efficient technologies and to deploying these across the entire life cycle of our products. From the earliest stages of development and production, we take care to conserve natural resources, to continuously reduce environmental impacts, and to comply with the environmental laws and regulations. We also pay attention to the principles of the circular economy and attach importance to the recyclability of our products at the end of their life cycle.

REACH, ROHS AND CONFLICT MINERALS

Our goal is to develop environmentally friendly and resource-saving products. We take measures to make a contribution to environmental and climate protection. Our use of natural materials is carefully considered. We take due care to verify the sources of the raw materials that we use in our products.

For the Arntz Optibelt Group, it is therefore essential that its suppliers are aware of and ensure compliance with the applicable legal requirements, such as REACH, RoHS and "Conflict Minerals – the Dodd-Frank Act".

On the basis of our chemicals management and the declaration on the duty to communicate information on substances in products, in accordance with Article 33 of Regulation (EC) No. 1907/2006 (REACH), we can confirm that our products do not pose a hazard to consumers.

A significant focus is placed on the issue of so-called conflict minerals and critical materials in general, where the entire supply chain is key to greater responsibility and care. The Arntz Optibelt Group has set itself the mission, for itself and its suppliers, that all products are free from conflict minerals and that legal requirements – in particular EU regulations and the Dodd-Frank Wall Street Reform and Consumer Protection Act – are complied with. The Arntz Optibelt Group establishes due diligence processes to promote responsible supply chains for minerals from conflict areas and high risk areas.



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