



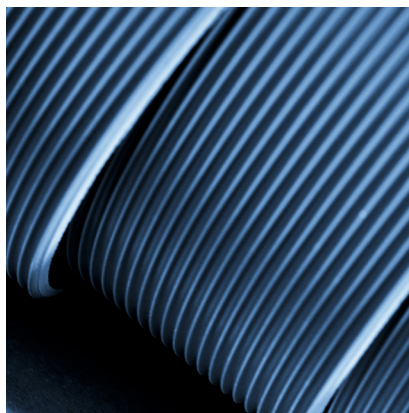
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# SHEETING

Products

# About Us

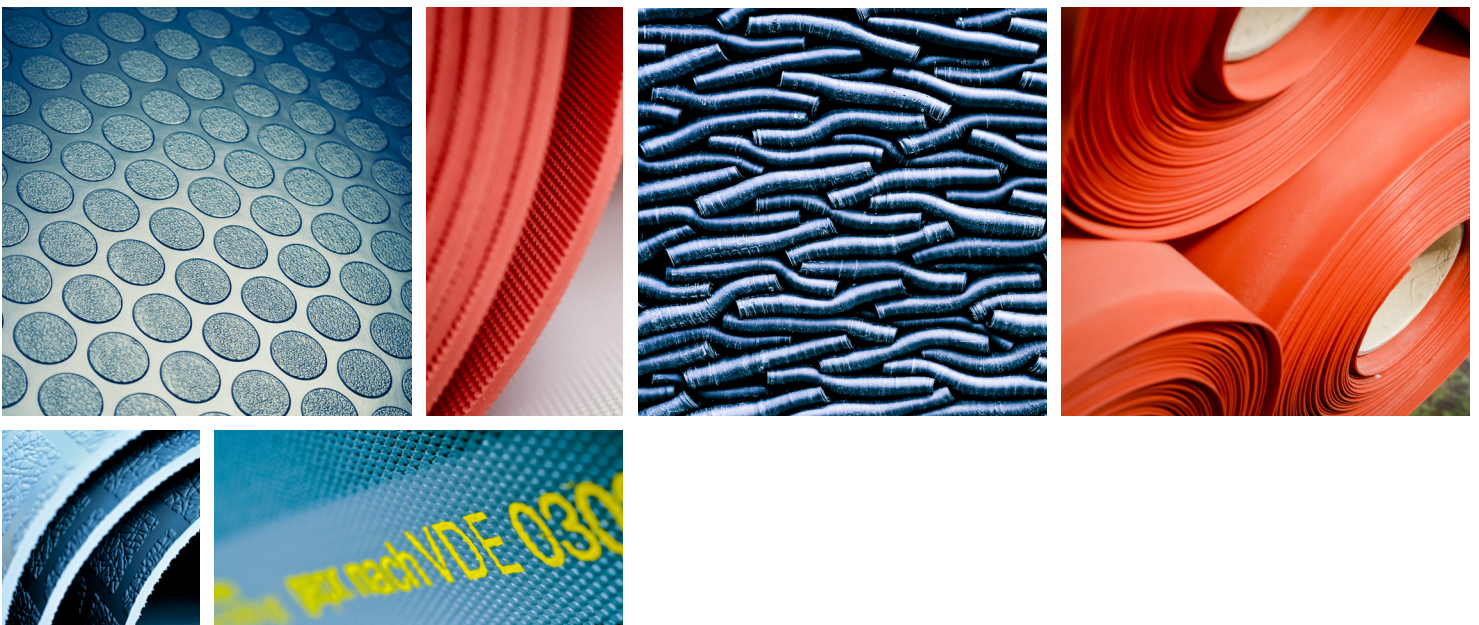
Our company history here at the site between Mannheim and Heidelberg dates back to 1938. For a long time we were known under the company name Metzeler Technical Rubber Systems GmbH. Cooper Standard has combined under the name Cooper Standard ISG business units that serve markets outside the automotive core business. Cooper Standard Technical Rubber GmbH is part of this group and, due to its decades of experience, is regarded as a specialist in the development and production of rubber mixtures and elastomer plates. Customers from the mechanical and plant engineering, the automotive and commercial vehicle industries are among the customers as well as companies from the pharmaceutical and medical technology, construction and civil aviation industries. In addition to a high level of customer satisfaction and flexibility, the focus of the company is in particular on a continuous expansion of the product range and an improvement of the product characteristics.



# Sheeting

With our sheeting division, we have an extensive range of web goods (up to 3.20 m width) and plate material from all common elastomers, in a hardness range of 25°- 90° Shore A and the material thicknesses of 0.5 mm – 30.0 mm. We also offer sheet material up to 60 mm in the dimensions 1.20m x 1.20m. Various approvals according to KTW, W 270 and VDE show the high quality standard of our materials. We can also ensure compliance with different automotive standards. Highly specialized products for all conceivable applications are our strength. With our dedicated team, we also find a suitable solution for your application.

- > NR
- > EVM
- > EPDM
- > EPDM peroxidic/drinking water
- > NBR
- > MVQ Silicone
- > FKM z.B. Viton
- > IIR
- > CR



## TOLERANCES

Thickness tolerances for sealing sheets and sheet blanks in accordance with DIN 7715 Class 5

Width tolerances for sealing sheets and sheet blanks: 2%

nominal size (mm)		Sealing sheets	sheets >40 Shore A	sheets 25 – 40 Shore A
over	to	according to DIN 7715 P2 ±	according to DIN 7715 P2	according to DIN 7715 P3
> 0	1,6	0,20		
> 1,6	4,0	± 0,30		
> 4,0	6,3	± 0,40	± 0,40	± 0,50
> 6,3	10,0	± 0,50	± 0,50	± 0,60
> 10,0	25,0	± 0,60	± 0,60	± 0,80
> 25,0	40,0	± 0,80	± 0,80	± 1,00

## CLASSIFICATION OF ELECTRICAL PROPERTIES

electrically conductive	antistatic	insulating
< 10 <sup>6</sup> Ωcm	10 <sup>6</sup> – 10 <sup>10</sup> Ωcm	> 10 <sup>10</sup> Ωcm

## OZONE EXPOSURE

Crack size	Crack density	DIN 53509-1	ISO 1431-1	Rating according to
Cracks only visible under the microscope	almost no cracks	0	1S	resistant
small cracks visible to the eye (<0.5 mm)	almost no cracks	1	2S	conditionally resistant
small cracks visible to the eye (<0.5 mm)	relatively few cracks	1	2F	conditionally resistant
small cracks visible to the eye (<0.5 mm)	many cracks	1	2N	not resistant
long, wide cracks	relatively few cracks	2	3F	not resistant
long, wide cracks	many cracks	2	3N	not resistant
long, wide cracks	many cracks	3	3N	not resistant

## PROPERTIES



Abrasion resistance



Antistatic



Petrol resistance



Fire resistance



Diesel resistance



temperature flexibility



Alkali resistance



Light



Oil resistance



Rebound resilience



Acid resistance



Heat resistance



Water up to 100°



Weather & ozone



Tensile strength



Plexiglass-compatibility



Drinking water quality





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