



# Advanced processability and ozone-protection

OUR PLASTOWAX-R (rubber) LINE, YOUR TYRES OF LONG LIFETIME

Several types of rubber products and rubber tyres of vehicles are exposed to change due to the course of time, weather conditions or any other impacts. Changing in properties might be caused by differing factors like temperature, steam and other hot materials but oxigene, ozone or freezing are main reasons of cracking and ageing of products. Cross-links are being dissolved, polymer-chain is being degraded hence the product becomes too soft. In default whereof, de-vulcanization process makes the rubber harder, easy-to-break.

Ageing process induced by ozone can be prevented or decreased by the application of anti-ozone wax, our Plastowax-R400 or Plastowax-R420 type. Considering its mechanism, the wax is getting in reaction with the ozone or the decomposed product due to the ozone, at the surface of rubber product. Apart from helping in diffusion process, the wax material itself has a protection effect, creating film on rubber surface thus closing it from oxigene and ozone, however, sole usage of wax under extreme preassure is not enough.

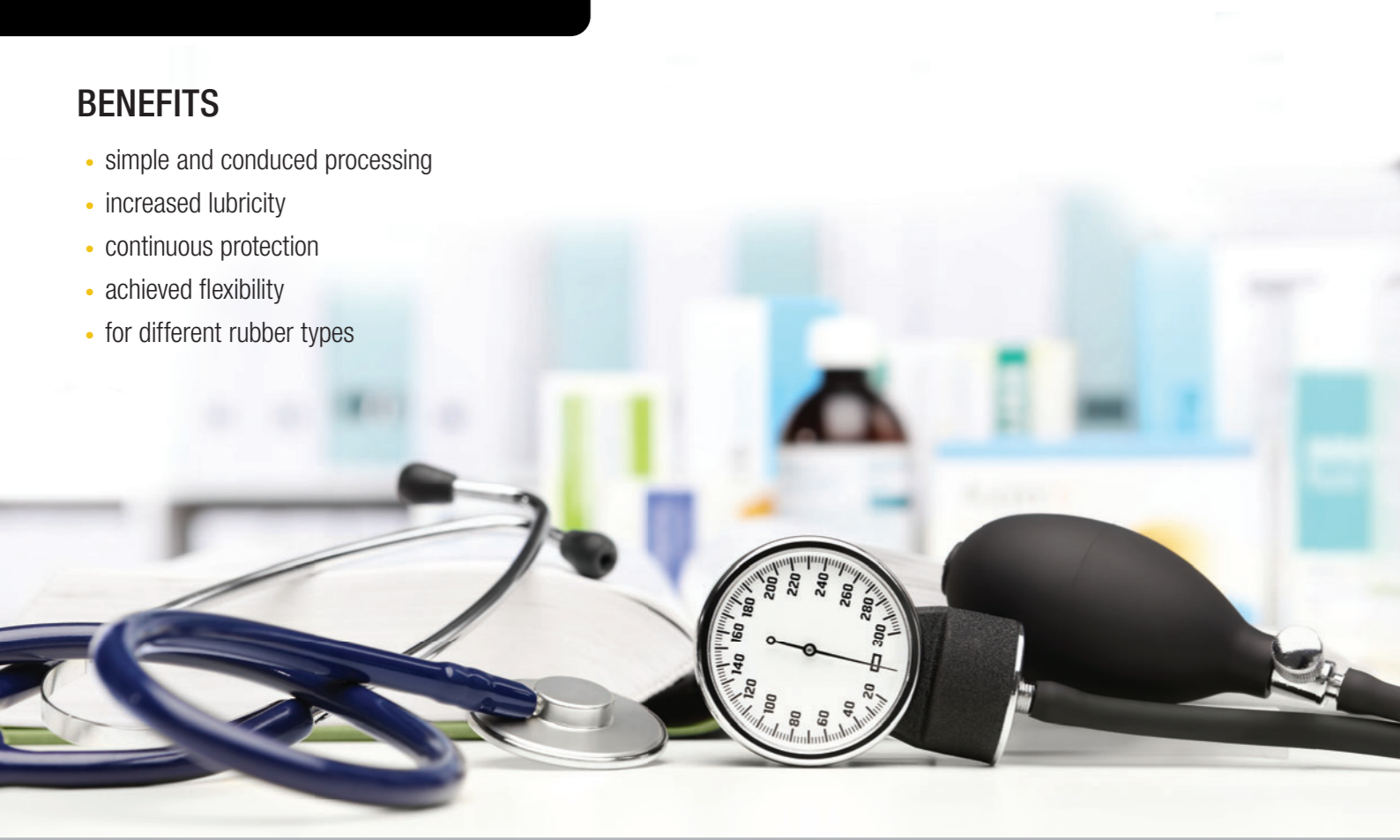
## Paraffin based emollients and anti-ozone products

Plastowax-R200 line contains products as emollients, inner sliders and lubrications for NR, BR, CR, NBR, SBR, EPDM rubbers

## PLASTOWAX-R

### BENEFITS

- simple and conduced processing
- increased lubricity
- continuous protection
- achieved flexibility
- for different rubber types



During our everyday-life we meet rubber even without realizing their presence. But rubber, as final product, is not only the rubber (caoutchouk) itself, rubber contains crosslinking materials that make the rubber more flexible, even different metals and textiles as well. Additional necessary materials are:

- filling compounds and emollients
- anti-ageing additives (ozone-protection)
- auxiliary materials.

### ENGINEERING

Apart from the standard types we offer tailor-made products to meet your requirements. We are delighted to develop product for your special application.

### WIDE PRODUCT RANGE

A number of variety of products are in our portfolio. It's easy to find the necessary type with the desired parameters.

### SALES SUPPORT

Our sales and development team is ready to support you in your decision. No matter how complicated your issue is, our professionals will take you through the selection process and offer the best one in price and quality as well.

 **Bogdány  
Petrol**  
Your Wax & Oil Specialist

