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# LEADING MANUFACTURER OF POLYURETHANE PRODUCTS



[www.LUBAS.com](http://www.LUBAS.com)

## ABOUT US

We are a manufacturer of L-PUR polyurethane elastomers – raw materials with a wide range of applications, proven in many sectors of the industry, from mining to furniture production.

LUBAS has operated since 1990, but our knowledge and experience reach much further back than the production site. They are a result of many years of research work at Warsaw University of Technology, School of Material Engineering, as well as implementation and applications of polyurethane in the mining sector in 1970s and 1980s.

Currently, LUBAS is a modern, multi-department company with several technological lines operating in parallel.

The heart of the company is the polyurethane elastomer casting line and the engineering/design department using advanced 3D technologies, as well as the mechanical department with CNC processing machines.



**Our offer for the production of polyurethane elastomers is dedicated to the following groups and branches of industry:**

- **fuel and energy industry**
  - coal and lignite mining
  - oil industry
  - energy industry
- **metallurgical industry**
  - ore mining metallurgy
  - non-ferrous metal industry
- **electromechanical industry**
  - machine industry
  - transport industry
- **chemical industry**
- **mineral industry**
  - construction materials industry
  - glass industry
- **wood and paper industry**
  - wood industry
  - pulp and paper industry
- **light industry**
  - textile industry
- **food industry**
- **other industry**
  - fodder industry
- **printing industry**



## RANGE OF SALES



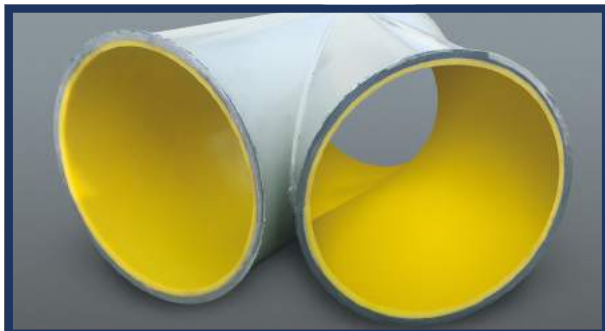
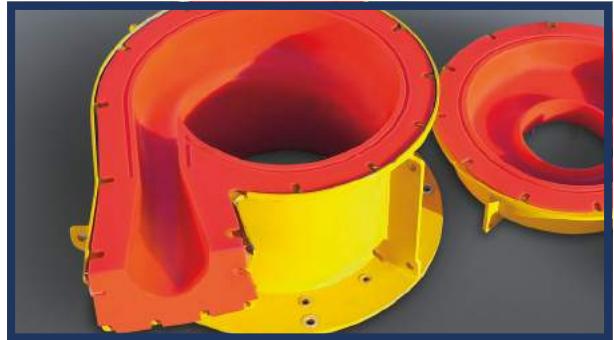
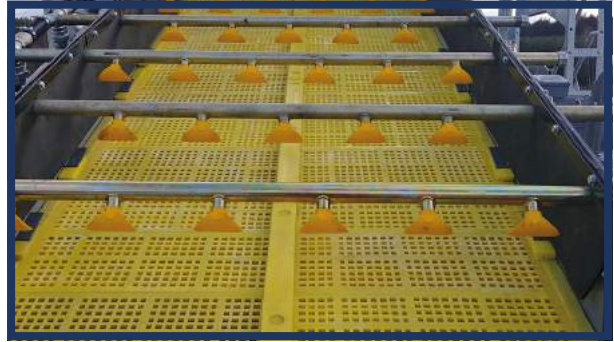


**Polyurethane elastomers are characterised by:**

- wide range of hardness 35 – 98 ShA
- high flexibility in the whole range of hardness
  - elongation at break 100 – 800%
- high abrasion resistance 10 to 100 mm<sup>3</sup> (PN-ISO 464)
- tensile strength 20 – 70 MPa (PN ISO 37)
- working temperature from -40°C to 120°C
- high resistance to tearing and cracking
- good resistance to dynamic loads
- good damping properties
- high resistance to all weather conditions
- resistance to a number of acids, solvents and petroleum, oils, fats, strong oxidants, sea water
- self-extinguishing
- resistance  $< 1 \times 10^9$  according to PN-EN 61340-2-3
- oxygen index  $> 21$  according to PN-EN ISO 4589
- they do not soil co-operating elements
- density – 1.1-1.28 g/cm<sup>3</sup>

**Products:**

- wear-resistant linings
- sieves for segregation of aggregates, coal
- roller linings
- blades for concrete mixers
- rings
- transport rollers
- high-load wheels
- clutches
- springs
- bumpers
- seals
- semi-finished products - plates, rods, bushings
- protective coatings applied on site
- water transport: pipes, orifices, elbows, tees, bolts and valves
- regeneration of drums for multi-wire saws and production of protective profiles for them ... and other products, both in retail and in series, as well as small and bulky ones



# Dedicated Lubas offer is a guarantee:

- Professional consulting backed up with experience – **since 1990.**
- High quality products with an **extended life.**
- The possibility of using **custom solutions** for your own needs.
- A reliable partner in business on **42 world markets, on 6 continents.**

## Our Certificates:



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